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BULBS

SB 445

WATERER

PHILADELPHIA

BULBS

1929

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NON-WARRANTY.—Hosea Waterer gives no warranty, express or implied, and will not be in any way responsible for the results of planting or forcing of any bulbs and roots he sends out. No complaints are entertained unless made on receipt of goods, and we cannot take any responsibility as to their flowering, which greatly depends upon their treatment. Every precaution is taken to send nothing but well-matured bulbs, such as will under ordinary circumstances produce the very finest flowers and give the utmost satisfaction.

PRICES.—It is our endeavor to maintain the prices quoted in this catalogue throughout the season, but in the event of unforeseen circumstances arising we reserve the right to change the price of any article (in this catalogue) without notice.

FORWARDING.—All Plants, Roots, and Bulbs are forwarded by Express (or Parcel Post when possible), purchaser paying charges, unless otherwise noted.

HOSEA WATERER

SEEDMAN AND BULB IMPORTER

714 Chestnut Street, Philadelphia

INTRODUCTION

IN presenting our bulb book to you for this season, we trust it will not be received merely as a catalogue, but as a source of interest and information from which you may obtain ideas and suggestions how to use the material offered in it, for the greater beautification of your home and garden, the consummation of which will add, not only charm and character to your home, but afford to all who may enjoy it a deep sense of appreciation and admiration.

To try and help you attain success in your gardening we have embodied in this book numerous colored plates from which to choose your subjects, as well as plantings of bulbs and plants, and other useful information, and of course a comprehensive list of all sorts of bulbous subjects and varieties of the same, choosing only the best in each class, and those that are available in sufficient quantity to make them reasonably procurable. We will add from year to year the newer and better things as they can be had, keeping always in mind the progressive policy of the firm, which is to supply only the best of everything at reasonable cost.

CONCERNING OURSELVES

IT is our belief that it is always practical for a customer to know something about the house with which he is dealing. The family of Waterer has been interested in Horticulture for over 200 years without a change of name, the original business being started in England by a direct ancestor of the present owners.

Hosea Waterer came here in 1876 to the Centennial Exposition with a number of Hybrid Rhododendrons and Azaleas which he showed under tents, and which was said to be one of the most interesting exhibits of the show, because Hybrid Rhododendrons were novelties in the country at that time.

Nearly 40 years ago he started the business which bears his name, more or less of a specialist in Rhododendrons and Dutch Bulbs, also handling choice and rare varieties of seed imported from Europe.

It has been our honest endeavor to keep up this business in much the same style as the founder and we do enjoy rather a good reputation for the best things in Seeds, Bulbs and Plants.

A Most Lovely Setting for Bed of Tulips

SUGGESTIONS FOR USING BULBS

In doing almost anything the thought of permanence is quite often the dominant idea, so perhaps one of the most ideal ways in which to use bulbs is to naturalize them for permanent effects. By that we mean to plant those bulbs which are adapted to that purpose in such a way and under conditions that will permit them to reproduce their blossoms year after year with little or no attention on our part.

Not all bulbs are suitable for naturalizing but the smaller bulbs, certain wild and species tulips and crocus as well as all kinds of narcissus and a few lilies, are ideal for this purpose.

On almost any home grounds there are many places not given over to regular or formal gardening that can be used. In the lawn can be planted crocus, in their tones of blue, purple, yellow and white, the blue Scilla Siberica and Snowdrops. Other subjects are not so good for the lawn because of rank foliage which does not die down soon enough to allow mowing the grass when it should be done, and under no conditions should anything be planted in the lawn that does not bloom early and is not of dwarf habit. The above bulbs would create delightful colorful pictures late in March and early April and would be past and foliage ripened off, insuring the next season's flowers, in time to give the grass the proper attentions.

In a meadow could be planted any of these easily naturalized bulbs. In addition to those just mentioned would be particularly all the blue-bells and daffodils.

Imagine a gently sloping field, flanked on one side by a wooded hill and falling away to the edge of a stream, in which thousands of entrancing flowers are nodding in the sunlight of early spring. Patches of yellow and white narcissus, the purple

Narcissi Naturalized in Front of Shrubbery

and gold of crocus, the pure white of snowdrops and heavenly blue of muscari and chionodoxa, all in irregular drifts of color blending, one into the other, forming a scene of indescribable beauty. Who would not like to create such a wonderful picture?

Anyone possessing a bit of woodland has almost unlimited opportunities for using all these things already mentioned, particularly narcissi of all sorts. Scattered informally among the trees and partly shaded by them they are very effective and naturalize most readily, blooming faithfully year after year.

Along the edge of trees where their heads can receive some sunshine and where their lower stems are shaded by ferns or low growing plants, and where the roots can extend deep into the cool, moist earth is the ideal spot for nearly all lilies. Not only our native wood and swamp lilies but nearly all the Japanese and other kinds, with the exception of Candidum, Testaceum and Croceum, as these are sunloving plants, although their lower stems and roots can also well be shaded from the hot sun.

In a lesser proportion anyone can have these natural effects, on even the smallest place. Beneath trees of all kinds, among shrubs and evergreens, in the rock garden, perennial border and in countless out of the way places can be planted these small bulbs that will repay many times over the small outlay and labor necessary to plant them, and all the care they need is to see that weeds and other strong growths do not crowd them out before they are established.

Tulips cannot be recommended for naturalizing, except the wild or species types. In creating the marvelous flowers we have today, the colonizing quality has been lost, so to have these beauties we must plant new bulbs each season.

An Informal Border Planting of Tulips

The early tulips are doubtless best when used in masses. Planted in regular rows and in a formal setting their brilliancy of color is outstanding in the early spring landscape. However, do not feel, because of lack of space, that it is not possible to use the early bulbs. Planted informally and irregularly anywhere in the garden or around the house, these early blooms are most welcome and extend the tulip season by several weeks and in addition they are finished blooming in time to lift and use that space for summer flowers.

In the late tulips, however, we have those colors that almost beggar description and anyone with room at all in the garden should not fail to have some. Plant them wherever there is sufficient room. Large beds or borders can be planted solidly to tulips, either all of one color, or groups of contrasting or blending shades, depending on our personal taste or the effect we wish to produce.

Small groups of bulbs can be spotted here and there among the shrubbery which affords a natural setting for their beauty, and where their colors can harmonize with those of the shrubs in bloom at the same time. The same thought can be followed in the perennial border, planting groups of tulips here and there among the hardy plants where they will bloom when the plants are just in that stage of growth to make the whole planting very effective, particularly if the border includes some early subjects, that will bloom with the tulips.

The beauty of the hyacinth is often overlooked in favor of the larger and more varied colored things, but we believe that used more freely and planted informally along with the early tulips and daffodils their delicate colors and fragrance will be much appreciated. They cannot be really naturalized but plantings of the small sizes will come up nicely for several years before breaking up into many stems, and even then they will form a sheet of most delicate pastel coloring.

FLOWERING SHRUBS

One of the most important points to consider in the decoration of the home grounds, is the judicious use of flowering shrubs. They can be had in so many varieties of form, color and season of bloom that it is possible to make effective use of them throughout the whole year.

Massed around or near the house in conjunction with evergreens, in clumps around the border of the property or at stragetic spots anywhere on the grounds, they are indispensable and also afford an excellent background for plantings of all kinds of flowers, using the colors of one to supplement those of the other, and when not in flower their varied foliage provide an essential part of the landscape.

Many of them are superb when planted singly and treated carefully as individual specimens, and as such will afford much pride and satisfaction.

ALTHÆA (Rose of Sharon)

Attractive hardy shrubs with large, handsome flowers; extensively cultivated in American gardens, flowering in the late summer months—August to November—when there are but few shrubs in blossom.

ALBA PLENA. Double; white, crimson centre.

ANEMONE FLORA. Double; dark rose.

DUCHESSE DE BRABANT. Double; dark red.

JEANNE D'ARC. Double; pure white.

Any of the above, 75 cts. each; $7.50 per doz.

AMYGDALUS (Flowering Almond)

Hardy, free-flowering shrubs with graceful foliage and showy flowers in early spring. They are splendid garden subjects, thriving in almost any well-drained soil.

JAPONICA NANA. Double; soft pink flowers.

JAPONICA NANA ALBA. White form of above.

Either variety, 2 to 3 ft., $1 each.

Flowering Almond

CALYCANTHUS (Sweet Shrub)

Old-fashioned shrubs of upright habit. Thrive in open or shaded places in a good, moist, loamy soil.

FLORIDUS (Allspice; Strawberry Shrub). 2 to 3 ft. Chocolate-colored flowers of a peculiar fragrance, hiding themselves among broad, green, lustrous foliage. 75 cts. each.

CERCIS

CANADENSIS (Judas Tree; Red-Bud). A showy tall shrub or small tree. All the branches and twigs are covered with a mass of small rosy pink flowers before the leaves appear. 3- to 4-ft. plants, $1 each.

CLETHRA

ALNIFOLIA (Sweet Pepper Bush). Of rather low growth, with dense light green foliage. Covered in July and August with spikes of small, creamy white, delightfully fragrant flowers. Sometimes used for hedging. 75 cts. each.

CORNUS (Osier; Dogwood; Cornel)

Hardy and vigorous shrubs, thriving best in moist, fertile soil. In addition to the showy flowers and fruits which characterize most of the species, they are very attractive in winter on account of the brilliant color of the bark.

ALBA (Siberian Red Osier). Bright, blood-red branches. The flowers are creamy white in numerous flat-topped clusters. Fruit light blue. Grows 6 to 10 feet high. 3- to 4-ft. plants, 75 cts. each.

SANGUINEA (Red-twigged Dogwood). A strong-growing bush, with crimson-colored branches; attractive in winter. 75 cts. each.

DEUTZIA

Hardy, vigorous shrubs with showy flowers. Extremely floriferous, very ornamental, and of the easiest culture. Thrives in almost any well-drained soil.

CRENATA ROSEA FL.-PL. (Double Pink-flowering Deutzia). Very showy white flowers with one or two rows of the side petals a rosy purple. 3 to 4 ft., 75 cts. each.

CRENATA, PRIDE OF ROCHESTER (Large-flowered Deutzia). Very large, tall growing double white flowering variety. 4 to 5 ft., 75 cts. each.

FORSYTHIA—(Golden Bell)

Few, if any, of the hardy spring-flowering shrubs can surpass the splendor and brilliancy of the Forsythias. Both grace and beauty are combined in all their attributes to give them rank for any station in the shrub plantation. They thrive in almost any fertile soil.

FORTUNEI. Strong, erect habit; bright golden yellow flowers in early spring. 75 cts. each.

SUSPENSA (Weeping Golden Bell). A tall shrub of willowy growth, the branches gracefully arching, covered with golden yellow bells in early spring. 75 cts. each.

HYDRANGEA

Grand flowering shrubs, admirably adapted for border planting, either as specimen plants or in masses. A moist, fertile soil with full or partial sun is best adapted to their requirements.

ARBORESCENS GRANDIFLORA (Snowball Hydrangea). This new variety is one of the finest American shrubs. It is a vigorous grower with pure white flowers. Thrives best in a moist location. Large plants, 75 cts. each.

PANICULATA GRANDIFLORA (Large-flowered Hydrangea). Undoubtedly one of the most popular and showy shrubs. Flowers creamy white when fully developed, soon assuming tones of rose and bronze on the exposed sides. 75 cts. each.

PHILADELPHUS—(Mock Orange)

CORONARIUS (Common Mock Orange). A hardy, free-flowering shrub, 8 to 10 feet tall, which adds beauty, grace and perfume to our gardens. It has a profusion of showy, fragrant white flowers in spring and early summer. Foliage light green. 3 to 4 ft., 75 cts. each.

PYRUS

JAPONICUS (Japan Quince). A very showy and popular shrub of medium height, which blooms profusely in early spring. Flowers dazzling scarlet. Makes an excellent hedge. 75 cts. each.

SPIRÆA

A large group of showy, free-flowering shrubs of inestimable value. Among them may be found those that bloom in early spring and at periods from midsummer up to frost. They thrive best in moist, fertile soil, preferring sunny exposures.

BUMALDA, ANTHONY WATERER (Crimson Spirea). Flowers bright, rosy crimson, disposed in dense corymbs. Very floriferous all summer. 1½ to 2 ft., 75 cts. each.

THUNBERGI (Snow Garland; Thunberg's Spirea). A beautiful shrub with numerous slender branches forming a dense, feathery bush 3 to 4 feet tall. Flowers white, in early spring, covering the plant as with a mantle of snow. 2 to 3 ft., 75 cts. each.

VANHOUTTEI (Van Houtte's Bridal Wreath). A grand, arching shrub of garden origin 5 to 6 feet high. Leaves dark green. Flowers white in numerous umbels in late spring. 3 ft., 75 cts. each.

SYRINGA—(Lilac)

VULGARIS (Common Purple Lilac). Large, upright shrub with heart-shaped, bright green leaves. Flowers deliciously fragrant, shades of lilac-blue and purple. 3 to 4 ft., 75 cts. each.

VULGARIS ALBA (Common White Lilac). The old popular white variety similar to the preceding, differing only in point of color. 3 to 4 ft., 75 cts. each.

Weigela

TAMARIX

AFRICANA (Tamarisk). Strong, slender, tall-growing, irregular shrubs, with feathery foilage and small, delicate flowers, borne profusely on gracefully bending branches. These pink flowers are very attractive during May. 75 cts. each.

HISPIDA ÆSTIVALIS. A distinct variety, with delicate, soft, pink sprays of flowers in July and August, a time when the shrubbery border is comparatively bare of flowers. 75 cts. each.

VIBURNUM
(Arrow-Wood; High-Bush Cranberry)

Attractive not only when in blossom, but many species produce large clusters of bright or glistening berries and the foliage assumes brilliant and intense color tones in autumn. Thrives best in moist soils in sunny locations.

DENTATUM (Arrow-Wood). Handsome, bushy shrub, 8 to 12 feet tall. Leaves heart-shaped, bright green, fading with tones of rich purple and red. A profusion of flat clusters of white flowers in late spring. Berries blue-black. 2 to 3 ft., 75 cts. each.

TOMENTOSUM (Single Japanese Snowball). Leaves dark green with bronzy margins. Flowers white in flat-topped clusters. Berries red, changing to bluish black. 3 to 4 ft., 75 cts. each.

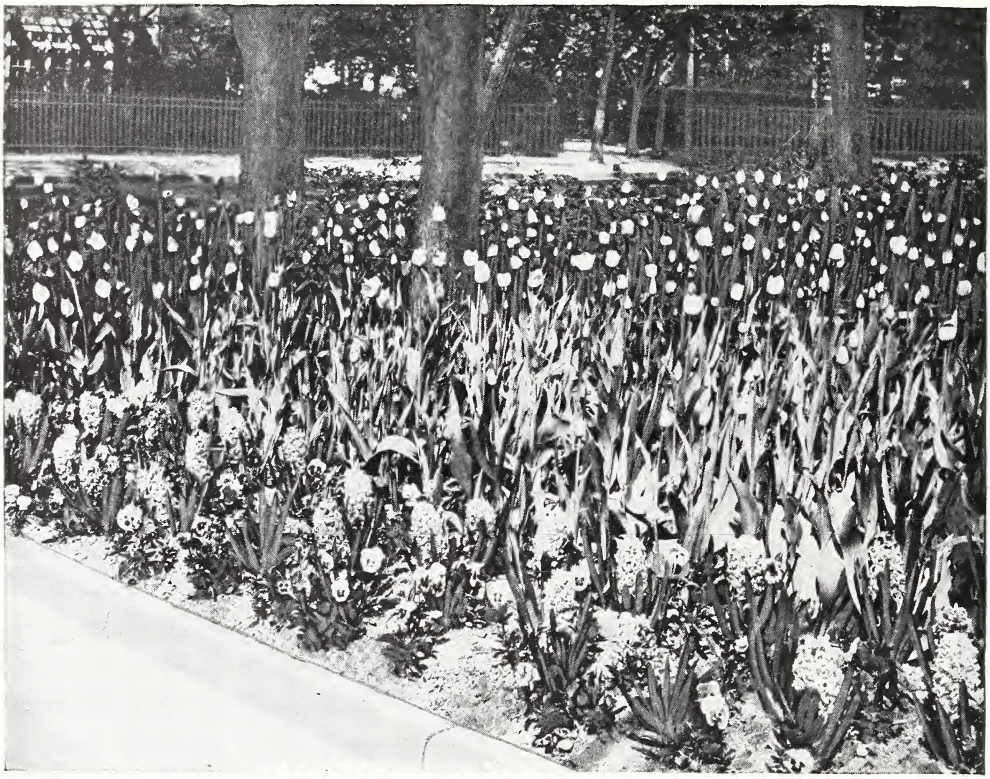
PLICATUM (Japanese Snowball). The choicest of its class. Pure white, ball-shaped clusters of flowers in May. $1 each.

WEIGELA—(Diervilla)

Free-flowering shrubs of spreading habit, thriving best in moist, loamy soil, and producing in late spring and early summer masses of showy flowers.

ROSEA. The commonest and a favorite, with rosy pink flowers in June. 3 to 4 ft., 75 cts. each.

ROSEA NANA VARIEGATA (Variegated Weigela). This is a variegated form of the above, enriching the collection of the fancy-colored foliage group. Flowers white or slightly suffused with rose. 4 ft., 75 cts. each.



An Ideal Way to use Hyacinths in the Border

DUTCH HYACINTHS

From the many and varied kinds of Hyacinths we have selected the following list as being the most representative of this class of flowers. It contains all the varieties that, because of the beauty of their coloring, season of bloom, size of flower and strength of stem, make them the best suited for all purposes to which this flower can be put. No doubt many other varieties have certain merits of their own that make them valuable for some purposes, and if any other varieties than those we list are desired we shall be glad to procure them if ordered early enough.

For forcing in greenhouses for either exhibition or decorative purposes the largest exhibition size bulbs are recommended, for they will, of course, make the largest and best spikes. The size of the bulbs may vary, some being somewhat smaller than others, according to the habit of the particular variety, but we send only the best bulbs that can be procured in each variety. Our exhibition bulbs have been repeated winners at the big flower shows for many years.

For Winter Flowering in the House. One bulb to a 5-inch pot or four to five bulbs of one variety in an 8-inch bulb-pan will prove very effective. Between September and the end of November plant the bulbs in potting soil or prepared fiber so that the tops just show above the surface. After planting, the bulbs should be placed in a dark, cool, airy place for a period of eight weeks. This develops the roots. Keep moist but not sodden. After about eight weeks have elapsed and bulbs have made some top growth, the pots may be removed to the house. Keep away from cold window draughts and drying furnace heat. By taking the pots at intervals of ten days, a succession of bloom may be enjoyed throughout the winter.

For Growing in Glasses. Set the bulbs so that the lower end merely touches the water. Put away in a cool, airy, dark place till the roots have developed; then remove by degrees to full light and air. A piece of charcoal in the water will keep it sweet.

For Outdoor Growing. Set the bulbs 5 to 6 inches apart, and top of bulb 4 inches deep. The time to plant is between October and the last of November before ground is frozen.

NOVELTIES IN EXHIBITION HYACINTHS

THESE CANNOT BE SUPPLIED IN SMALLER SIZED BULBS

KING OF LILACS—III. A new introduction, of true lilac color, producing large trusses, thickly set with fine bells. For forcing or bedding.

ORANGE BOVEN (Sunburst)—III. A beautiful dainty flower of a reddish apricot-orange color. Not a large flower, but because of its unique color very desirable as a pot-grown subject for decoration in the home. Highly recommended.

PRIDE OF HOLLAND—II. A new extra fine exhibition variety of a bright porcelain blue shade, making a tall pyramidal spike set with large bells.

PRINCE HENDRICK—III. A beautiful clear soft yellow, fine truss and large bells. The best yellow for early forcing. New.

PURITY—II. A new well-named variety, having an exceptionally fine tall spike set with large bells of the purest white.

PRICE: Any of the above, 50 cts. each; $5.50 per doz.; $37.50 per 100.

GIANT EXHIBITION
AND
EXTRA SELECT FIRST SIZE HYACINTHS

We wish to make it clear that we are listing our Giant Exhibition and Extra selected First size bulbs together simply for your convenience in choosing varieties. The Exhibition bulbs are, of course, the largest we can possibly procure in each variety, while the First Size bulbs are of a more uniform smaller size, but still a good big bulb. The difference in price is simply a matter of size.

Giant Exhibition.....**40 cts. each; $4.00 per doz; $27.50 per 100**
Extra Selected First Size.....**35 cts. each; 3.50 per doz.; 23.00 per 100**

Rose and Pink

GENERAL DE WET—II. A sport of grand maitre. Strong spike and stem with large bells of a soft light pink. Very good for pots or bedding.

GERTRUDE—I. Deep rose-pink, compact spike on good stems. A very fine forcing variety and makes a good bedder.

LADY DERBY—I. Clear rose-pink, with large bells and compact trusses. A splendid early forcer and because of its strong stems, a grand bedder One of the best pink hyacinths.

LA VICTOIRE—I. Bright, glistening, deep carmine-rose, very fine spike. Extra good for exhibition, although when forced it is somewhat paler color than when grown outdoors.

MARCONI—II. Bright deep rose, short broad trusses, borne on stiff stems. A very good forcing variety but particularly fine for bedding.

QUEEN OF THE PINKS—III. Lovely rose-pink, broad large truss, good sized bells and strong stem. A sport of King of the Blues, with all its qualifications. Excellent for late forcing and bedding.

Blue and Purple

CAPTAIN BOYNTON—II. Porcelain blue, with darker shading making really a sky-blue. The large bells form a fine well-filled spike.

DUKE OF WESTMINSTER—II. Deep purplish blue, clear color. The bells having a white centre. Fine full spike and large bells. Good for forcing.

ENCHANTRESS—II. Pale porcelain blue, tinted lilac with lighter centre. Unusually long handsome spike, thickly set with large bells. A lovely variety for exhibition.

GRAND MAITRE—II. Dark lavender blue, its large bells forming a long well-filled truss on an unusually strong stem. Equally good for either forcing or bedding. The finest in this color.

KING OF THE BLUES—III. A splendid bright dark blue variety, having fine large spike and bells. Unequalled for late forcing and bedding.

LORD BALFOUR—I. Lilac rose, tinged violet, an unusual color. Forms a fine spike and large bells. Goes well with yellow varieties.

MENELIK—II. Perhaps the darkest colored hyacinths. Its large well-filled truss being of a deep black-blue. The best of this kind.

QUEEN OF THE BLUES—III. A beautiful clear light porcelain blue. The bells are medium size, but form a fine large thickly set truss, on a strong stem, making it valuable for bedding as well as exhibition.

SCHOTEL—I. Soft light blue, very long and perfect truss and large bells. Very good for early flower as it forces easily. Also splendid for beds.

White

LA GRANDESSE—III. Large bells of pure waxy white, forming a long full spike of perfect form. Exceptionally good for late forcing and bedding.

L'INNOCENCE—I. The best pure white hyacinth for all purposes. Fine large truss and bells. Forces easily and makes a grand bedder.

QUEEN OF THE WHITES—III. A sport of Queen of the Blues, and having, of course, the same good qualities, and of a pure white. Recommended for late forcing as well as for outdoors.

Yellow and Orange

CITY OF HAARLEM—II. Pure golden-yellow, large well formed truss on a good stem, making it a valuable exhibition variety. The best yellow for all purposes.

YELLOW HAMMER—I. A lovely shade of yellow, with large bells forming a nice compact truss An excellent early variety for pot culture.

NOTE—the Roman numerals I, II or III following the name in the description of any bulb indicates the relative time of blooming. Those numbered I being noticeably earlier, and those numbered III being later than the major group designated by number II.

DOUBLE HYACINTHS

Extra-selected, First-size Bulbs

While Double-flowering Hyacinths do not, as a rule, produce so fine spikes as the single sorts offered on this page, yet they are exceedingly handsome and deserve extensive cultivation. The varieties listed below are those which we have found by actual tests to be the most satisfactory.

Any of the following, 35 cts. each; $3.50 per doz.; $23 per 100, postage extra

Double Pink and Rose

CHESTNUT BLOSSOM. Light pink; extra-large spike.
PRESIDENT ROOSEVELT. Deep rose; large spike.

Double White

LA GRANDESSE. The best double pure white.
PRINCE OF WATERLOO. Pure white; large spike of large bells with slightly rose center.

Double Blue

GENERAL KOHLER. Bright blue. One of the best.
VAN SPEYK. Light blue; compact spike; very large bells.

Double Yellow

SUNFLOWER. Considered the finest double pure yellow.

BEDDING HYACINTHS

The following classes of Hyacinths are mostly the same varieties as listed in our Exhibition bulbs and have of course the same fine qualities, but are in smaller size bulbs for reasons of economy and utility.

They are best suited for growing in quantity in pots or pans where the largest flowers are not desired, or for outdoor planting. The second size named varieties are recommended for formal planting where a distinct color scheme is being worked out, or for any outdoor planting. The unnamed varieties may well be used for large plantings to produce a gorgeous color effect by planting masses of these in informal drifts the colors blending into each other to produce an harmonious effect.

They can also all be used for forcing, putting five or six of a kind in each pan.

SECOND SIZE OR NAMED BEDDING HYACINTHS

Single Red and Rose

GENERAL DE WET. Light pink.
GERTRUDE. Deep rose-pink.
LA VICTOIRE. Carmine-rose.
ROI DES BELGES. Brilliant crimson-scarlet.

Single White

LA GRANDESSE. Pure white.
L'INNOCENCE. Pure white.
QUEEN OF WHITES. Pure white.

Single Blue

GRAND MAITRE. Deep lavender-blue.
KING OF THE BLUES. Dark blue.
QUEEN OF THE BLUES. Light porcelain-blue.

Single Yellow

YELLOW HAMMER. Pure yellow.

Price, any of the above, 30 cts. each; $2.75 per doz.; $18.50 per 100

SPECIAL UNNAMED HYACINTHS

Red Shades
Rose and Pink Shades
Pure White
Light Blue Shades
Dark Blue Shades
Yellow Shades
All Colors, Mixed

Any of the above Unnamed Hyacinths at 20 cts. each; $2 per doz.; $14 per 100.

Hyacinths in Pot

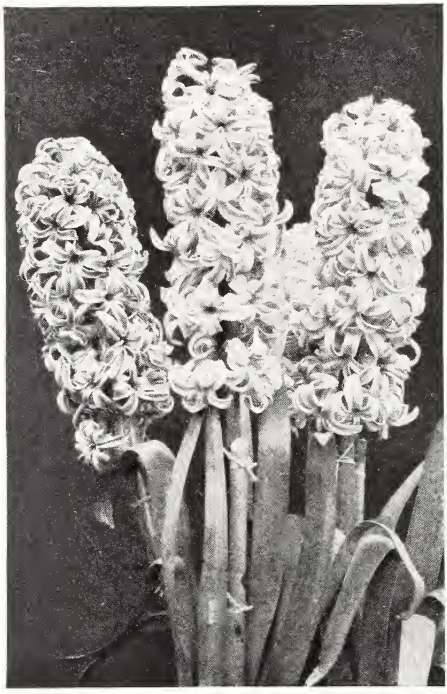
MINIATURE OR DUTCH ROMAN HYACINTHS

These are small single flowering Dutch Hyacinths and quite distinct from the French Romans. They are simply younger bulbs and do not throw the large, fully, developed spike of the large bulbs. The stem is not quite so tall and the flower bells are arranged more loosely thereon, making not so dense a spike but much more graceful.

This class of Hyacinths is very satisfactory for growing in pans or in boxes and as the bulbs are small they can be planted closely, giving the largest amount of blooms in proportion to the space occupied and making a very attractive show. They are also very good out of doors throwing up good solid spikes for quite a few years if left undisturbed. We strongly recommend a trial of these bulbs.

CARDINAL MANNING. Bright red, long truss.
GERTRUDE. Dark pink.
GIGANTEA. Light rose.
GRAND MAITRE. Lavender-blue.
LA GRANDESSE. Pure white.
L'INNOCENCE. Pure white.
KING OF THE BLUES. Deep blue.
NIMROD. Deep rose. The earliest of all pink Hyacinths.
QUEEN OF THE BLUES. Clear light porcelain-blue.
YELLOW HAMMER. Yellow.

Any of the above Miniature Named Hyacinths, 15 cts. each; $1.50 per doz.; $11 per 100.

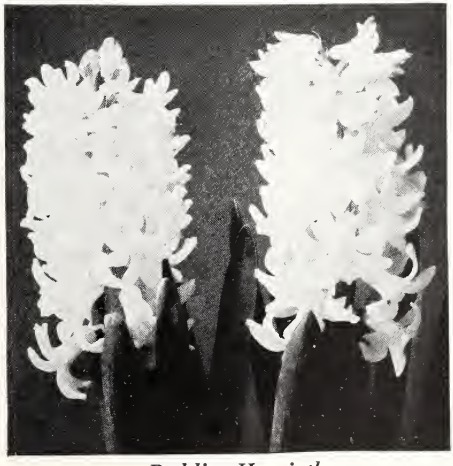


Miniature Hyacinths

EARLY FRENCH ROMAN HYACINTHS

The flowers are delightfully fragrant, and each bulb will throw up three to four spikes. For forcing, three or four bulbs are generally planted in a 5-inch pot in September, in good soil or fiber. The pots must be kept in a cool and dark place until they fill with roots, when the flower spikes can be rapidly developed by exposure to light and moderate heat. They are very easily grown and extremely early, and by making successive plantings they may be had in flower all through the winter.

Pure White. Mammoth bulbs, XXX.....$3.00 per doz.; $20.00 per 100
Pure White. Extra-selected bulbs, XXXX..... 3.75 per doz.; 25.00 per 100



Bedding Hyacinths

PREPARED HOLLAND BULB FIBER

This fiber is an ideal medium in which to grow bulbs. It is clean and free from odor and contains sufficient plant-food for the bulbs until after they have bloomed. Bulb Fiber is used in the same way as potting soil, except that it should not be packed down firmly in the pots. By using it, bulbs may be grown in any sort of ornamental bowl or receptacle as no drainage is required. Keep the fiber moist, but not sodden or wet. Qt., 15 cts.; ½ pk., 45c.; pk., 75 cts.; ½ bus., $1.25; bus., $2. If to be sent by parcel post, add postage at your zone rate—one peck weighs 4 pounds.

Glasses for Growing Hyacinths

We can supply two styles of these glasses.

Tall and Low, in assorted colors. 35 cts. each; $3.50 per doz.

These cannot be sent by parcel post.

La Fiancee

Anton Mauve

King George V

Faust

SPECIAL OFFER—25 Bulbs of each of the above {100 Bulbs}—$10.00

DARWIN TULIPS

Darwin Tulips are a race developed by crossing the brilliant Cottage Tulips with the older Breeder types. Their vigor of growth, height and brilliant and varied range of color make them deservedly the most popular garden tulip.

Introduced some 25 or 30 years ago they have rapidly forged to the front because of their good qualities and all around usefulness.

Most of them have large cup-shaped flowers of good substance and stems from two to two and one-half feet tall, equaled in this respect only by the Breeders. They include the lilacs, lavenders, and blue shades and the brilliant red tones not found to any extent in the other classes.

They are equally fascinating whether seen in the full sunlight when their brilliancy is greatest or in the early evening when the closing flowers show best that subtleness of tone which makes them so much prized.

Many of them are well adapted to forcing and can be had in flower from the middle of January on through the winter months, and for Easter.

AFTERGLOW—II. Rosy apricot-orange with light tan shading at edges of petals. Inside deep orange with yellowish base. Very brilliant outdoors, particularly when associated with blue subjects. Height, 26 inches. $1.25 per doz.; $9 per 100; $85 per 1,000.

ANTON MAUVE—I. Soft violet shaded dull garnet and edged soft grayish white inside dark heliotrope and white base. Enormous cup shaped flower with wavy petals. Height, 32 inches. $1.25 per doz.; $9 per 100; $85 per 1,000.

APHRODITE—III. Exquisite shade of silvery-pink with a faint tinge of soft buff at edge of petals and white base. Fine large flower on tall stiff stem. Height, 32 inches. $2.25 per doz.; $15 per 100.

BARONNE DE LA TONNAYE—III. A long, beautiful flower, clear carmine rose at midrib, toning off to soft pink at edge of petals. Height, 30 inches. 75 cts. per doz.; $5 per 100; $45 per 1,000.

BARTIGON—II. Beautiful large flower of fiery crimson with white base. One of the finest Darwins for forcing as it comes early. Height, 26 inches. 75 cts. per doz.; $5 per 100; $45 per 1,000.

BLUE AIMABLE—III. Bluish heliotrope. Inside shaded darker with white base starred blue. A late flowering and forcing variety of distinct form. Height, 25 inches. $1 per doz.; $7 per 100; $65 per 1,000.

BLUE CELESTE—II. Bright violet blue, inside darker with white base and blue halo. The whole flower has a bluish sheen, hence its name. A handsome tulip of large size and good form. Late forcer. Height, 30 inches. $4.25 per doz.; $30 per 100.

CENTENNAIRE—I. Rich violet rose with large blue centre, immense flower of perfect form. A magnificent early variety for the border and one of the best for forcing. Height, 30 inches. 75 cts. per doz.; $5 per 100; $45 per 1,000.

CHANT DE CYGNE—II. Glowing salmon-scarlet. shaded soft rose. The immense bold flowers are carried on strong erect stems and are of a color distinctly individual. Height, 30 inches. $2.25 per doz.; $15 per 100.

CITY OF HAARLEM—III. One of the largest and brightest red Tulips, being an intense dark scarlet with inner base a slate blue and white halo. Very striking when flower is open. Forces well. Height, 27 inches. $2.25 per doz.; $15 per 100.

CLARA BUTT—III. A lovely shade of salmon-pink, good sized and beautifully shaped flower. Good forcer. Height, 22 inches. 70 cts. per doz.; $4.50 per 100; $40 per 1,000.

DREAM—II. Large cup shaped flower of warm heliotrope with silvery lilac edges, inside deep violet and blue base. Fine flower on good long stem. Height, 26 inches. 80 cts. per doz.; $5.50 per 100; $50 per 1,000.

DUCHESS OF HOHENBURG—II. A magnificent very large flower of perfect form borne on a stiff stem. Color pale slaty lilac-mauve with a stripe of rosy heliotrope. Inside pale lilac and white base. Height, 29 inches; $3.25 per doz.; $22.50 per 100.

ECLIPSE—II. A glowing, rich, dark-red Tulip of good form and wonderful firmness of petal and stem. A very large flower, whose color makes it most suitable for supplying that deep richness of tone which is so essential in filling out the border planting. Highly recommended for forcing, being the best of its color for that purpose. Height, 30 inches. $3 per doz.; $20 per 100.

FAUST—II. A long, large flower of dark satiny purple-maroon. Unexcelled for cutting or as background for pale shades. Height, 30 inches. $1.15 per doz.; $8 per 100; $75 per 1,000.

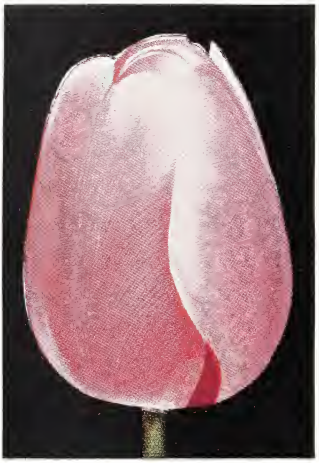
FLAMINGO—II. A lovely shade of flesh-pink tinted rose. Fine oval shaped and pointed flower with a satiny sheen. Height, 28 inches. 85 cts. per doz.; $6 per 100; $55 per 1,000.

FRANS HALS—I. An enormous flower of bright violet-blue, inner base blue with white halo. Splendid for early forcing. Height, 28 inches. $1.25 per doz.; $9 per 100; $85 per 1,000.

GIANT—II. Very handsome flower of enormous size, borne on tall sturdy stems. Color, dark reddish purple, shaded violet. Inner base white with blue star. Height, 30 inches. $1.25 per doz.; $9 per 100; $85 per 1,000.

GRETCHEN—II. Silvery pink, flushed white, inside soft pink, white base, marked blue. A delicate flower and very good for forcing. Height, 22 inches. 70 cts. per doz.; $4.50 per 100; $40 per 1,000.

KING GEORGE V—II. Color a brilliant cherry-rose with base of petals white. The open flower shows a white centre, starred blue. A grand show variety as it forces well and of a somewhat softer color. Highly recommended. Height, 30 inches $2.50 per doz.; $17.50 per 100.



Princess Elizabeth

Dream

Afterglow

KING HAROLD—III. Petals of a uniform deep crimson-maroon, the open flower showing a rich black centre. A tall, superbly shaped and stately flower on sturdy stems. Fine forcer. Height, 26 inches. 80 cts. per doz.; $5.50 per 100; $50 per 1,000.

LA FIANCEE—II. A most beautiful deep rose color, shading to old rose and pink at edges and with a pale blue base. Looks well with lavender and purple varieties. Height, 30 inches. $1.50 per doz.; $10 per 100; $95 per 1,000.

LA TRISTESSE—II. A slaty blue color with grayish edges and white base. Looks well grouped above the pale yellow varieties. Height, 26 inches. 85 cts. per doz.; $6 per 100; $55 per 1,000.

LA TULIPE NOIRE (The Black Tulip)—III. Very dark maroon-black, the darkest of all Tulips. Effective with orange and deep yellow kinds. Height, 28 inches. 90 cts. per doz.; $6.50 per 100; $60 per 1,000.

LE NOTRE—I. Beautiful shade of bright pink, blue centre starred white. An excellent early forcer and fine exhibition variety. Height, 26 inches. 90 cts. per doz.; $6.50 per 100; $60 per 1,000.

MARCONI—II. Deep purple when the flower first opens, gradually changing to ashy purple as the flower ages. Pure white base. Height, 27 inches. 85 cts. per doz.; $6 per 100; $55 per 1,000.

MELICETTE—II. Pure soft lavender. Inside darker lavender-violet with edges paling to lavender and a lovely blue base. One of the finest pastel shades. Height, 26 inches. 90 cts. per doz.; $6.50 per 100; $60 per 1,000.

MME. KRELAGE—II. Bright lilac-rose, edged pale silvery rose. Inside soft rose-pink. Superb outdoor variety and one of the best for forcing. Height, 28 inches. 75 cts. per doz.; $5 per 100; $45 per 1,000.

MR. FARNCOMBE SANDERS—II. A brilliant orange scarlet flower with white centre marred blue. A grand flower outdoors and a fine forcer. Height, 30 inches. 75 cts. per doz.; $5 per 100; $45 per 1,000.

PAINTED LADY—II. Creamy white faintly tinged, soft heliotrope when opening. Beautiful and good sized flower, either outdoors or for late forcing. Height, 26 inches. 75 cts. per doz.; $5 per 100; $45 per 1,000.

PHILLIPE DE COMMINES—II. A large flower of deep purple-maroon, with velvety sheen. A splendid flower on good stem for the border and a good forcer. Height, 26 inches. 75 cts. per doz.; $5 per 100; $45 per 1,000.

PRIDE OF HAARLEM—I. A very popular red Tulip for all purposes. A large flower of deep carmine-rose shaded scarlet. Sweet scented. A sure early forcer. Height, 28 inches. 75 cts. per doz.; $5 per 100; $45 per 1,000.

PRINCESS ELIZABETH—II. Beautiful rose-pink, deepening with age. The exquisitely shaped and long flowers, when fully opened are carried on good stiff stems. Height, 26 inches. 80 cts. per doz.; $5.50 per 100; $50 per 1,000.

PRINCE OF WALES—I. Glowing rosy-crimson with scarlet flush and blue base and white centre. Large flower on strong stem. Extremely attractive and much recommended for early forcing. Height, 28 inches. $2.25 per doz.; $15 per 100.

PROFESSOR RAUWENHOEF—II. Bright cherry red, inside shaded scarlet with brilliant blue base. Fine for medium early forcing. Height 28 inches. 75 cts. per doz.; $5 per 100; $45 per 1,000.

PSYCHE—I. A large handsome flower of rich silvery rose, edged pale rose. Inside paler and blue centre. Very beautiful in the border or for pot culture. Height, 26 inches. 80 cts. per doz.; $5.50 per 100; $50 per 1,000.

REV. H. EWBANK—II. Soft lavender violet, flushed silvery-gray, darkening toward the white base. A good sized flower and fine in the border, with yellow varieties. Height, 22 inches. 75 cts. per doz.; $5 per 100; $45 per 1,000.

RONALD GUNN—II. The nearest approach to a true blue to be found in any Tulip, being a clear blue-violet edged lavender, inner base white marked blue. Height, 28 inches. 90 cts. per doz.; $6.50 per 100; $60 per 1,000.

SIR TREVOR LAWRENCE—I. An enormous cup-shaped flower of violet-maroon with a flush of ashy purple. Inside violet-maroon with white base. Height, 32 inches. $1.25 per doz.; $9 per 100; $85 per 1,000.

SOPHROSYNE—II. Soft lilac-rose, edged silvery white. Inside deep rose with striking blue base and lighter edge. Height, 30 inches. 80 cts. per doz.; $5.50 per 100; $50 per 1,000.

SUZON—II. Soft buff-rose, shading to blush at margin of petals, inside deep rose with white base marked blue. Particularly beautiful among the soft toned border tulips. Height, 25 inches. 80 cts. per doz.; $5.50 per 100; $50 per 1,000.

VALENTIN—I. Soft heliotrope, shaded violet Inside heliotrope with blue base. A fine Tulip both for outdoors and forcing. Height, 22 inches. $1 per doz.; $7 per 100; $65 per 1000.

WHITE QUEEN (La Candeur)—II. The best of the older white Darwins. Buds at first tinged pale pink, but matures almost pure white, with striking black anthers. Height, 26 inches. 80 cts. per doz.; $5.50 per 100; $50 per 1,000.

WM. COPELAND—I. An even tone of rosy-lilac. Can easily be forced with the early Tulips. The earliest of lilac Darwins. Height, 25 inches. 80 cts. per doz.; $5.50 per 100; $50 per 1,000.

WM. PITT—II. Dark velvety crimson with a purple bloom on the petals. A grand garden Tulip and an early forcer. Height, 24 inches. 85 cts. per doz.; $6 per 100; $55 per 1,000.

YOLANDE—II. A lovely tone of soft cerise, inside brilliant salmon-rose and yellow base. This tall flower effective if planted, with white Iris. Height, 29 inches. $2.50 per doz.; $17.50 per 100.

GIANT DARWINS MIXED. Selected from our stock of named varieties to form a well balanced color combination. 85 cts. per doz.; $6 per 100; $55 per 1,000.

MIXED DARWINS. All colors. 65 cts. per doz.; $4 per 100; $37.50 per 1,000.

NOVELTY TULIPS

SUNDEW—II. Large well formed flowers, of a striking bright red color, the edges of the petals fringed and lacinated in the most attractive manner. The long stems and robust habit of growth make it very suitable for any outdoor purpose and it is well adapted to forcing and is highly recommended for that purpose. Height, 26 inches. $3.25 per doz.; $22.50 per 100.

MONSIEUR MOTTET. Color ivory white and instead of producing one flower to a stem as other Tulips, it carries from 4 to 6 flowers, which are all in bloom at one time. The result is a unique garden variety. Height, 24 inches. $1.50 per doz.; $10 per 100.

MADAME MOTTET. Same as Monsieur Mottet, except that color is a purplish-rose and flowers are slightly stronger, but as many to the stem. Height, 24 inches. $2.25 per doz.; $15 per 100.

WATERER'S PASTEL TULIP COLLECTION

Ten lovely Tulips in the softer shades, all of about the same height and time of bloom. Planted together, their delicate colors will blend into each other, forming a most delightful picture.

Ellen Willmott	**Pale Yellow**
Fairy Queen	**Heliotrope and Yellow**
Gesneriana Lutea	**Deep Yellow**
Afterglow	**Rose and Tan**
Dream	**Pale Lavender**
Flamingo	**Flesh Pink**
Princess Elizabeth	**Rose Pink**
Vesta	**White**
Bronze Queen	**Bronze**
Cardinal Manning	**Violet Rose**

Collection No. 1— 5 bulbs of each (50 in all), $3.25
Collection No. 2—10 bulbs of each (100 in all), 6.00
Collection No. 3—25 bulbs of each (250 in all), 14.00
Collection No. 4—50 bulbs of each (500 in all), 27.00

REMBRANDT TULIPS

These Late or May-flowering Garden Tulips are in reality Darwin Tulips which have "broken" into permanent variegations—flowers of various rich colors are striped, blotched and marked with different shades and colors.

APOLLO—II. Rosy violet, striped and feathered bright maroon, occasionally flaked white, white base. Large flower of handsome markings and distinct shape. Height, 30 inches. $1.10 per doz.; $7.50 per 100.

BUTTERFLY—III. Soft lilac, striped deep carmine. Medium sized flower. Height, 20 inches. $1.10 per doz.; $7.50 per 100.

LA COQUETTE—II. Violet, flamed dark purple and white, medium sized flower. Very handsome for pots. Height, 20 inches. $1.10 per doz.; $7.50 per 100.

PURITY—I. A lovely combination of white, straw-yellow and lavender. The last named color supplies the more defined markings. The yellow suffuses most of the outer petals and the white appears at the edges. Height, 22 inches. $1.10 per doz.; $7.50 per 100.

RED PRINCE—II. A glowing, Rembrandt with white flames and feathers on its cherry-rose petals. Height, 24 inches. $1.10 per doz.; $7.50 per 100.

ZENOBIA—II. White ground flushed lilac and striped velvety-maroon. Fine for the border. Height, 21 inches. $1.10 per doz.; $7.50 per 100.

CHOICE MIXED VARIETIES. All colors. 90 cts. per doz.; $6.50 per 100.

BIZARRE TULIPS

May flowering Tulips of the breeder type, whose predominating colors are purple maroon and brown feathers and markings on a yellow ground. Not quite so tall as most Breeder Tulips, but of very unusual and beautiful coloring. We recommend trying a few of these interesting flowers.

BLACK BOY—II. An interesting bizarre of very dark mahogany-purple, overlaid with violet and with a few featherings of clean chrome-yellow. Height, 24 inches. $1.15 per doz.; $8 per 100.

EMPEROR—II. A very tall flower with petals of golden yellow, overlaid and streaked with brown flames. Height, 24 inches. $1.75 per doz.; $12 per 100.

INSULINDE—II. Deep purple flakes on creamy ground, and pale yellow edges. A very artistic combination. Extra fine. Height, 24 inches. $1.75 per doz.; $12 per 100.

L'UNION—III. Yellow ground, heavily flamed and striped maroon. A large tall flower of very showy character. Height, 24 inches. $1.25 per doz.; $9 per100.

CHOICE MIXED VARIETIES. All colors. 95 cts. per doz.; $6.50 per 100.

BYBLŒMEN TULIPS

Magnificent late May-flowering Garden Tulips. Coloring, white ground with beautiful stripes and markings of crimson, scarlet, rose, and of lilac, violet and purple.

CHOICE MIXED ROSE BYBLŒMENS. 90 cts. per doz.; $6.50 per 100; $60 per 1,000.

CHOICE MIXED VIOLET BYBLŒMENS. 90 cts. per doz.; $6.50 per 100; $60 per 1,000.

Prince of Orange

Louis XIV

Don Pedro

Bacchus

SPECIAL OFFER—25 Bulbs of each of the above {100 Bulbs}—$9.00

BREEDER TULIPS

These tulips are among the oldest cultivated kinds and are the parents of most of the newer ones. They are characterized by their height and strength of stem, and by their large globular flowers of most unusual and artistic shades.

Here we find all the deep richness of purple, golden-brown, bronze, lilac, maroon and mahogany, and other kindred shades not found in any other class of tulips.

They are indispensable for supplying the deep, subtle tones to the mixed border planting, and most of them are also superb alone when in their proper surroundings. They likewise, are good for forcing when, if possible, their colors are even more refined and interesting than when grown outdoors.

ABD-EL-KADER—II. Dark bronze with lilac flushes, edged lighter bronze. Inside bronzy-brown with olive green base. Large flower of great beauty on tall, stout stem. Much recommended for forcing and under glass becomes a distinct shade of olive-bronze. Height, 30 inches. $1.15 per doz.; $8 per 100; $75 per 1,000.

APRICOT—II. A beautiful flower of bronzy-buff, overlaid with ruddy apricot. Inside base yellow with olive-green halo. A rugged thick petaled flower on tall erect stems. A real gem in the border. Height, 28 inches. $1.15 per doz.; $8 per 100; $75 per 1,000.

BACCHUS—II. The richest shade of dark violet-blue with the bloom of the grape on the outer petals. Inside paler shade with white base. A majestic flower of great size and substance and length of stem. Unexcelled as a background for paler toned subjects. Height, 32 inches. $1.65 per doz.; $11 per 100.

BRONZE QUEEN—III. A unique blending of deep yellow and brown with touches of rose and bronze. A lovely hybrid. Can well be used with the dark purple kinds outdoors, and when forced, has a most refined color. Height, 28 inches. 75 cts. per doz.; $5 per 100; $45 per 1,000.

CARDINAL MANNING—III. A splendid shade of rosy-violet, flushed rosy-bronze, the edges of the petals changing to an almost pure orange as the flower ages. Tinged yellow base. A very large flower of fine form. Height, 30 inches. 80 cts. per doz.; $5.50 per 100; $50 per 1,000.

COPERNICUS—II. A very handsome dark coppery-bronze Tulip, flushed old rose. Inside warm brown with olive base. A large flower on a sturdy stem. A superb type of Brown Breeder and well adapted for supplying a richness of tone to a mixed planting. Height, 27 inches. $1.10 per doz.; $7.50 per 100; $70 per 1,000.

CORIDION—I. Clear yellow overlaid with stripe of lilac through centre of petals. A very distinct color among the Breeders. Distinctive when combined with dark shades against a green background. Height, 28 inches. $2.50 per doz.; $16.50 per 100.

DON PEDRO—II. A distinct shade of coffee-brown, shaded maroon with golden brown edge. Inside rich mahogany with olive base. Flowers large and fragrant, and very well shaped. Superb outdoors with lighter tones. Height, 26 inches. $1.50 per doz.; $10 per 100; $95 per 1,000.

GODET PARFAIT—II. A superb Tulip of much richness of tone, being a deep blue-purple plum color, tinged with just enough dark reddish-purple to give it a distinctive character. The inside of the flower is somewhat paler with a white base and blue halo. Height, 30 inches. $1.25 per doz.; $9 per 100; $85 per 1,000.

GOLDEN BRONZE—II. Old gold, shaded bronze with flush of heliotrope on outer petals. Inside shaded mahogany-brown, shading to gold at tips of petals, yellow base edged olive. Fine outdoors and very good for forcing. Height, 24 inches. $1 per doz.; $7 per 100; $65 per 1,000.

HELOISE—I. Color a deep cardinal red, overlaid with mahogany-brown, and yellow centre. A most beautiful large cup-shaped flower, petals slightly reflexed, borne on tall straight stems. A flower of glorious color and form for outdoors. Height, 28 inches. $2.25 per doz.; $15 per 100.

JAMES WATT—II. Here is one of those dark mysterious tones found in no other variety. Outside petals deep slaty-purple, edged rich brown. Inside mahogany shaded purple with a wonderful green base, starred white. Height, 26 inches. $2.25 per doz.; $15 per 100.

JAUNE D'OEUF—II. A deep chrome yellow with broad stripe of lilac on outer petals. Inside golden bronze with large dark apple green base. A large well formed flower on tall stem, suitable for outdoors or forcing. Height, 28 inches. 85 cts. per doz.; $6 per 100; $55 per 1,000.

LOUIS XIV—II. An even tone of rich dark purple with a broad margin of golden bronze. A real monarch among Tulips, bearing an immense globular, scented flower on tall erect stems. Combines well with other purples, lavenders and yellows in the border and a superb variety for forcing. Height, 32 inches. $1.40 per doz.; $9.50 per 100; $90 per 1,000.

LUCIFER—III. Dark orange with rosy bloom and orange-scarlet edge. Inside scarlet-orange with yellow base and olive halo. A glorious color outdoors particularly contrasted with purple or blended with yellow, lavender and mauve. Height, 28 inches. $2.25 per doz.; $15 per 100.

MARIE LOUISE—II. A very richly colored flower. Old rose, flushed orange-salmon, edged orange and bronze. Not a giant of this class, but highly valuable because of its lovely coloring and beauty of form. Height, 24 inches. $1 per doz.; $7 per 100; $65 per 1,000.

OLD TIMES—II. Light yellow, flamed outside with dull purple, interior lightly flushed with purple. Filaments streaked with black. Very handsome flower of rather long and pointed form, and very useful for the border. Height, 24 inches. $1.15 per doz.; $8 per 100; $75 per 1,000.

PANORAMA—II. An even deep shade of orange-mahogany or terra-cotta. A superbly shaped flower of real goblet-like form. Should perhaps be planted alone or with orange and bright yellow varieties. A fine variety for early forcing. Height, 26 inches. 80 cts. per doz.; $5.50 per 100; $50 per 1,000.

PINK PEARL—II. A new Breeder of most unusual coloring, being a lilac-pink, deepening with age and paling out to a large white base. Inside rose and white centre. Beautiful when forced, Height, 28 inches. $3.75 per doz.; $25 per 100.

PRINCE OF ORANGE—II. Warm terra-cotta, edged orange-yellow with yellow centre starred black. A showy flower of those colors found only in the Breeder Tulips. Height, 26 inches. $1.25 per doz.; $9 per 100; $85 per 1,000.

ROI SOLEIL—II. A wonderfully effective combination of dark violet-blue and shades of bronze. A fine well formed flower on tall stems. Height, 28 inches. $1.50 per doz.; $10 per 100.

ST. JAMES—II. Chestnut-brown, flushed rosy-lilac, shading to bronzy-gold at edges of petals. Inside ruddy mahogany, edged golden-brown with yellow and green base. Height, 30 inches. 85 cts. per doz.; $6 per 100; $55 per 1,000.

VELVET KING—II. Immense flowers of rich deep royal-purple, held erect on tall stout stiff stems and lasting in good condition for a long time. A superb garden variety. Height, 26 inches. $1.25 per doz.; $9 per 100; $85 per 1,000.

VULCAIN—I. Reddish-apricot, broadly edged buff-yellow. Inside dark apricot, edged yellow with dark green base starred yellow. A large beautiful shaped flower of unusual color. One of the most delicate of Breeders when forced. Height, 26 inches. $1.15 per doz.; $8 per 100; $75 per 1,000.

YELLOW PERFECTION—I. Light bronze-yellow, edged golden yellow. Interior bronzy-brown with yellow base starred green. A large flower of remarkable beauty. Height, 26 inches. $1 per doz.; $7 per 100; $65 per 1,000.

MIXED BREEDERS. All colors. 75 cts. per doz.; $5 per 100; $45 per 1,000.

COTTAGE TULIPS

These constitute an older class of Tulips that at one time in the evolution of tulip growing were discarded by the wealthier classes of tulip fanciers in England in favor of newer and better types and to some extent lack of interest in the flower. They found their way into the small gardens of the cottagers and so derived their present name.

It is to their lasting credit, however, that with the much greater interest in spring flowers they have retained their place among the other kinds. This is doubtless due to the general beauty and gracefulness of their typically reflexing petals and urn shaped blooms, as well as to the unusual colorings, and the fact that this class includes all the late flowering yellow tulips of any value to date. They therefore make up by these qualities what they lack in the height and strength of the Darwins and Breeders, filling however, a necessary part in the scheme of the garden.

Included in this class are the new hybrids, some of which equal the Darwins and Breeders in all respects, but which because of certain characteristics cannot be grouped in the other classes.

AMBROSIA—II. Outer petals flushed lilac-rose with broad tan edge and amber lights. Inside salmon-orange changing to amber and yellow base. The whole flower is suffused with a rosy glow giving it unusual beauty. A marvelous specimen of the newer hybrids. Superb planted with purple-maroon varieties. Height, 28 inches. $2.50 per doz.; $17.50 per 100.

ARGO—I. Globular flower of soft golden-yellow, the edges of petals being marked reddish-brown, which gradually spreads and suffuses the flower as it ages. Delicate bronze-salmon, when forced. Height, 22 inches. $1.75 per doz.; $12 per 100.

AVIS KENNICOTT—II. A large bright chrome-yellow flower with long pointed petals. The centre of it is rich black and black anthers. A striking effect when open and very graceful when closed. An exceptional garden variety because of its great strength and substance. Height, 24 inches. $1.75 per doz.; $12 per 100.

CARRARA—II. Shining snow-white petals and yellow anthers. A most lovely and delicately colored flower of fine rounded form and of good substance. An outstanding show variety. Height, 24 inches. $3.75 per doz.; $25 per 100.

DIDO—I. The perfect flower is borne on a strong, straight, stem and its color is rich orange-rose, margined bright orange-yellow. Inside bright orange with yellow base, most unusual and magnificent. Truly a wonderful Tulip. Height, 30 inches. $3.75 per doz.; $25 per 100.

ELLEN WILLMOTT—II. A lovely shade of soft yellow, deepening as the flower ages. A real cottage type, the flower being nicely rounded with elongated slightly reflexing petals. Height, 25 inches. 85 cts. per doz.; $6 per 100; $55 per 1,000.

FAIRY QUEEN—II. A very pleasing shade of rosy-heliotrope with broad margin of soft amber-yellow. A large flower of perfect form and coloring. Superb in combination with John Ruskin. Height, 20 inches. 75 cts. per doz.; $5 per 100; $45 per 1,000.

FLAVA—III. Creamy carnary-yellow, a very large superbly formed flower on tall stiff stem. Being a late bloomer and of such good lasting qualities it is excellent for planting among the later Darwins, supplying the yellow tone lacking in that race of Tulips. Height, 25 inches. $3.25 per doz.; $22.50 per 100.

GESNERIANA LUTEA—II. A finely formed rounded flower of deep golden-yellow and of large size. Fine among groups of other colors, for the perennial border or among shrubbery. Height, 24 inches. 75 cts. per doz.; $5 per 100; $45 per 1,000.

GESNERIANA MAJOR—II. A typical long pointed-petaled cottage variety, of rich crimson-scarlet with blue-black centre. Large flower on good stem. Fine for outdoors, especially against a dark green background. Height, 24 inches. 75 cts. per doz.; $5 per 100; $45 per 1,000.

Moonlight

Marvel

Dido

Nectar

SPECIAL OFFER—25 Bulbs of each of the above {100 Bulbs}—$11.00

GRENADIER—II. A long flower with slightly twisting and reflexed petals of a brilliant orange-red. Inside of flower even brighter with yellow centre and violet anthers. A most beautiful and graceful flower for the garden. Height, 21 inches. 85 cts. per doz.; $6 per 100; $55 per 1,000.

HAMMER HALES—II. Golden-brown, suffused old rose. Inside bright apricot edged bronze-yellow with yellow base and green halo. A very long flower of real distinction and charm. Height, 24 inches. $1.10 per doz.; $7.50 per 100; $70 per 1,000.

INGLESCOMBE PINK—II. Beautiful round flowers of warm rose-pink, tinted salmon-rose, changing to deep rose with age. An old favorite well adapted to the border and late forcing. Height, 24 inches. 75 cts. per doz.; $5 per 100; $45 per 1,000.

INGLESCOMBE YELLOW—III. A very good bright canary-yellow. Large globular cup-shaped flowers on strong stems. Ideal for planting among all late Tulips. Height, 22 inches. 80 cts. per doz.; $5.50 per 100; $50 per 1,000.

JOHN RUSKIN—II. Deep salmon-rose with shadings of lilac and soft lemon-yellow edge. Inside lilac suffused with rose and yellow margin. A fine oval flower of most enchanting color, and although somewhat short of stem, should by no means be neglected. Height, 18 inches. 80 cts. per doz.; $5.50 per 100; $50 per 1,000.

KINGFISHER—I. A quaint combination of straw-yellow petals, paling with age, striped and feathered with browning-violet. A large, most interesting flower on straight stiff stem. Height, 22 inches. $3 per doz.; $20 per 100.

LA MERVIELLE—III. Orange-scarlet, flushed rose, with yellow centre. Very long large flower of exceptionally good form, delightfully scented. A good variety for either forcing or the garden. Height, 20 inches. 75 cts. per doz.; $5 per 100; $45 per 1,000.

LORD CARNARVON—I. Fine rose-pink with feathered edge of creamy-yellow. Inside of petals edged white and white centre starred yellow. A lovely vase shaped Tulip with pointed petals. Height, 26 inches. $2.75 per doz.; $18 per 100.

MARVEL—II. Salmon-rose, edged yellow. Inside old-gold, shading to rose at the base. A long graceful flower with tapering wavy petals. An attractive garden Tulip because of its unusual form and is very beautiful when forced. Height, 26 inches. $1.50 per doz.; $10 per 100; $95 per 1,000.

MOONLIGHT—I. A soft but bright canary-yellow. Long, oval exquisitely shaped flowers of good substance. Beautiful in the border among blue Iris, or any of the paler blue subjects and fine for late forcing. Height, 24 inches. 80 cts. per doz.; $5.50 per 100; $50 per 1,000.

MRS. MOON—III. Beautiful, large urn shaped flowers with pointed reflexing petals of very deep golden yellow. A fine type of cottage Tulip and unlike Moonlight, should be used with the deep blue and purple subjects in the garden. Also fine for forcing. Height, 25 inches. $1.10 per doz.; $7.50 per 100; $70 per 1,000.

NECTAR—I. Very effective garden Tulip of glorious fiery crimson, with slight tint of blue at base of outer petals, and a large white centre with blue halo. Long well shaped flowers with slightly reflexing petals, excellent for forcing. Height, 24 inches. $1.25 per doz.; $9 per 100; $85 per 1,000.

ORANGE BEAUTY—III. Deep orange shaded rose. Inside deep orange-scarlet with yellow centre and black anthers. Very large globular sweet-scented flower. Height, 23 inches. 85 cts. per doz.; $6 per 100; $55 per 1,000.

ORIENT—I. Extremely large bold, broad petaled flowers of remarkable color. Bright rosy carmine with orange red edges. Inside salmon and black anthers. The color varies in the light, much like changeable taffeta. Very beautiful. Height, 32 inches. $3.75 per doz.; $25 per 100.

PICOTEE—II. Flower opens white with each petal having a narrow edging of deep rose-pink which gradually spreads over the whole flower as it ages. Very pretty reflexed petals. Height, 24 inches. 75 cts. per doz.; $5 per 100; $45 per 1,000.

QUAINTNESS—III. A large handsome flower of golden-brown, flushed on centre of petals with dull old-rose. Inside golden-brown deepening to mahogany-brown at the yellow base. A unique and unusual color in Cottage Tulips. Height, 24 inches. $3.75 per doz.; $25 per 100.

RETROFLEXA—I. Splendid light yellow flower with elegantly reflexed petals, forming an urn-shaped Lily-like flower. A lovely variety for cutting. Height, 17 inches. $1 per doz.; $7 per 100; $65 per 1,000.

SCARLET EMPEROR—II. Brilliant glowing scarlet with centre of clear yellow and black anthers. Very large long flower with graceful tapering petals. Height, 24 inches. $1.75 per doz.; $12 per 100.

SIRENE—II. A lovely Lily-flowered type with nicely twisted and reflexed petals of beautiful cerise-pink. A long, urn-shaped flower with a white centre, and good stems, suitable for outdoors or forcing. Height, 26 inches. 90 cts. per doz.; $6.50 per 100; $60 per 1,000.

SIR HARRY—III. An unusual tone of soft-lavender pink with yellow centre and dull blue halo. A large pointed flower with wavy petals and very broad at the base. Although a pastel shade, it holds its color well. Height, 26 inches. $1 per doz.; $7 per 100; $65 per 1,000.

THE FAWN—III. A unique shade of rosy-fawn, tinged with silvery dove-gray. Large egg-shaped flower of much beauty, very graceful and of a really different coloring. Height, 20 inches. 75 cts. per doz.; $5 per 100; $45 per 1,000.

TWILIGHT—I. Of the coloring found in fine tapestry, being a rich violet, flamed and feathered with dark brown-purple and edged tan. Centre white with blue halo. Good sized flower, a group of which would be very distinct in the Tulip border. Height, 23 inches. $3.25 per doz.; $22.50 per 100.

VESTA—II. Long-stemmed variety with bold, more or less Darwin-shaped flower of purest white, with black filaments. Splendid for early forcing. An outstanding white Tulip in this class. Height, 28 inches. $1.75 per doz.; $12 per 100.

WALTER T. WARE—III. The deepest and richest yellow among the Cottage Tulips. A remarkably beautiful globular flower with reflexing petals, and of unusual substance and lasting qualities. Height, 18 inches. $1.75 per doz.; $12 per 100.

MIXED COTTAGE. An assortment of most of the good varieties in this class, containing a nice range of color. Suitable for scattering through the hardy border. 70 cts. per doz.; $4.50 per 100; $40 per 1,000.

Fantasy

PARROT TULIPS

This class of late-flowering single Tulips is very suitable for cutting purposes. The flowers, quaintly shaped and borne on long stems, remain in good condition for a long time after being cut. Parrot Tulips are large, of striking colors, growing 14 to 15 inches high.

FANTASY. A wonderful Tulip. Clear rose-pink with apple-green marks and spots on outer sides of petals; base white, with black anthers. A Parrot form of the well-known Darwin, Clara Butt, of which it is a sport. The large, erect flowers are borne on a stiff stem. Height, 24 inches. $1.50 each; $15.00 per doz.; $120.00 per 100.

	Doz.	100
ADMIRAL OF CONSTANTINOPLE. Dark red, shaded and tipped orange.	$0.75	$5.00
CRAMOISI BRILLIANT. Brilliant crimson	.75	5.00
LUTEA MAJOR. Yellow, striped crimson and green	.75	5.00
MARKGRAAF VAN BADEN. Golden inside, feathered brilliant scarlet; purple and green outside	.75	5.00
PERFECTA. Yellow, scarlet and green	.75	5.00
FINEST MIXED. All colors	.70	4.50

"You can have bulbs in bloom throughout the entire year"

A New Book

THE BOOK OF BULBS

By F. F. ROCKWELL

Illustrated $3

SPECIES TULIPS

A race of small, dainty-flowered, dwarf-growing Tulips of western Europe and Asiatic origin. Rare and beautiful flowers for the rock-garden or for naturalizing in nooks and corners among the shrubbery or perennial border. These Tulips with the exception of Cluisiana, do not always take kindly to new surroundings and must have conditions almost perfect before they will be entirely satisfactory, but a little care and thought will readily overcome that obstacle.

CLUSIANA. The "Little Lady" Tulip. A variety from Asia Minor. Outer petals cherry-red, inner petals white with violet. This variety may be used for late forcing or when planted outside should be planted 6 inches deep. Grows about 8 inches in height. $1 per doz.; $7 per 100; $65 per 1,000.

EICHLERI (Turkestan). Large flowers of fiery crimson-scarlet with glimmering black centre, marked with gold. Height, 11 inches. $2.25 per doz.; $15 per 100.

GREIGI (Europe). Glittering orange-scarlet, with black-blotched centre. Foliage is spotted maroon. Likes a hot, dry situation with good drainage. Very scarce. Height, 10 inches. $4.25 per doz.; $30 per 100.

PERSICA (Persia). Fragrant yellow flowers; outside bronze. Two or three blooms on a stem. Splendid for rockery. Height, 4 inches. $3 per doz.; $20 per 100.

KAUFMANNIANA (Turkestan). Primrose-yellow with golden yellow centre; outside pink. Flowers open wide on short stem. Splendid for naturalizing in shady places and fine for forcing. Height, 5 inches. $3.75 per doz.; $25 per 100.

SPRENGERI (Armenia). Large flowers of bright orange-scarlet. The latest to bloom and naturalizes readily. Height, 10 inches. $3 per doz.; $20 per 100.

SYLVESTRIS (Europe). Fragrant yellow flowers with bronze exterior, often two on a tall, slender stem. Very interesting. Height, 18 inches. $2.25 per doz.; $15 per 100.

Cluisiana

Moonbeam

Pink Beauty

De Wet

EARLY TULIPS

For brilliancy of color they are unequaled and although short of stem and lacking some of the grace of the later varieties, they can just as well be used informally and scattered here and there in the garden or planted in a border by themselves, and, of course, they are the ones to be used for large formal beds and designs.

After flowering there is still time to lift the bulbs and to use the space for bedding out annuals or to fill in with a great variety of other things.

Double early tulips are best used for bedding or for informal planting when sheltered from high winds as the heavy blooms will break the stem. These and the Single Early are the easiest of all tulips to grow indoors, some even flowering as early as Christmas if potted soon enough.

SINGLE EARLY TULIPS

ALBION—I. Pure white. A superb bedding variety and fine forcer, lasting in good condition for a long time. Height, 13 inches. 85 cts. per doz.; $6 per 100; $55 per 1,000.

BELLE ALLIANCE—II. Large, brilliant scarlet flower with white centre. Excellent for bedding or late forcing. Height, 12 inches. 85 cts. per doz.; $6 per 100; $55 per 1,000.

BRILLIANT STAR—I. Color, brilliant vermillion-scarlet, with a black centre, starred yellow. Can be had in flower for Christmas if potted before the middle of October. Height, 12 inches. $1 per doz.; $7 per 100; $65 per 1,000.

CHRYSOLORA—I. Large, globular flower of clear golden yellow. A fine bedding variety and good for early forcing. Height, 12 inches. $1.25 per doz.; $9 per 100; $85 per 1,000.

COTTAGE MAID—II. Centre of petals white, broadly margined and flushed delicate rose-pink. An excellent bedder and good forcer. Height, 12 inches. 85 cts. per doz.; $6 per 100; $55 per 1,000.

COULEUR CARDINAL—III. Rich, crimson with a purple bloom on outside of petals. Unexcelled for bedding and a late forcer. Height, 13 inches. $1 per doz.; $7 per 100; $65 per 1,000.

CRAMOISI ROYAL—II. Satiny carmine; distinct in color and form. Large flower on good tall stems. Excellent forcing variety. Height, 14 inches. $1.65 per doz.; $11 per 100.

CULLINAN—I. Creamy white, tinged lemon-yellow with edging of delicate pale rose. Very beautiful for outdoors and fine for medium forcing. Height, 13 inches. $1 per doz.; $7 per 100; $65 per 1,000.

DE WET—II. Large globular flowers with board somewhat wavy and irregularly shaped petals of deep yellow, flushed and striped fiery orange-scarlet. A most lovely orange when forced. Height, 16 inches. $2.25 per doz.; $15 per 100.

ENCHANTRESS—II. Large wine-red flower, with edging of pale yellowish-white. Inside brighter with buff-yellow edging and yellow base. Height, 10 inches. $1.15 per doz.; $8 per 100; $75 per 1,000.

FRED MOORE—I. A fine orange-yellow, sweet scented flower. Very handsome and early forcer and an effective bedding variety. Height, 15 inches. 85 cts. per doz.; $6 per 100; $55 per 1,000.

IBIS—I. Deep brilliant pink, shaded carmine. The edges of petals bordered and feathered with white. A large handsome flower, superb for bedding and a good medium early forcer. Height, 13 inches. $1.25 per doz.; $9 per 100; $85 per 1,000.

JOOST VON VONDEL, WHITE—I. Long, very large pure white flowers, the petals of which are gracefully tapered. The centre of flower is yellow, adding much to its beauty. Fine for early forcing. Height, 14 inches. $1.10 per doz.; $7.50 per 100; $70 per 1,000.

KEIZERKROON—I. Bright crimson-scarlet, bordered with clear rich yellow. A most popular and distinct variety. Excellent for bedding and forcing. Height, 16 inches. $1.50 per doz.; $10 per 100; $95 per 1,000.

LE REVE—III. Deep old-rose, flushed and shaded with buff. Large globular flower of great beauty and charm. Almost the last in this group to bloom and lovely when forced late. Height, 13 inches. $1 per doz.; $7 per 100; $65 per 1,000.

MAX HAVELAAR—I. Blood-orange, flushed salmon-rose. Fine outdoors and exceptionally nice when forced. Height, 12 inches. $1.25 per doz.; $9 per 100; $85 per 1,000.

MONTRESOR—I. A large rather irregularly shaped flower of golden-yellow. Can be forced for Christmas if potted before the middle of October. Height, 13 inches. $1.40 per doz.; $9.50 per 100 $90 per 1,000.

MOONBEAM—II. Deep primrose-yellow, shading to soft canary at the edges. Large, graceful flower of open form and of that pleasing softness of tone lacking in most early yellow Tulips. Height, 14 inches. $2.25 per doz.; $15 per 100.

OPHIR D'OR—I. A superb bedding variety, having large well rounded bright golden-yellow flowers, held on stiff stems. Also very good for forcing. Height, 12 inches. $1.25 per doz.; $9 per 100; $85 per 1,000.

PINK BEAUTY—II. Glowing rose-pink, irregularly flushed with white. Its tall straight stem and fine color makes it unequalled for beds and it is excellent when forced late. Height, 13 inches. $2.25 per doz.; $15 per 100.

PRESIDENT LINCOLN—I. Clear magenta violet. A planting of this with the pale yellow variety Moonbeam would be very lovely. Height, 12 inches. $1.15 per doz.; $8 per 100; $75 per 1,000.

PRINCE OF AUSTRIA—I. A brilliant orange-red with yellow centre. Unsurpassed for either early or late forcing. Height, 14 inches. 75 cts. per doz.; $5 per 100; $45 per 1,000.

PROSERPINE—I. Brilliant carmine-rose with white centre marked blue. Can be forced for Christmas if potted before middle of October. Height, 14 inches. $1.50 per doz.; $10 per 100; $95 per 1,000.

RISING SUN—II. Very deep golden-yellow flowers of great beauty. Large, with long tapering petals of perfect form. Cannot be forced early. Height, 16 inches. $1.40 per doz.; $9.50 per 100; $90 per 1,000.

ROSE LUISANTE—III. The petals on opening are white, but with a large area of beautiful rose-pink at the tip-end, which gradually spreads and suffuses almost the whole petal. Exceptionally good for forcing. Height, 11 inches. $1.10 per doz.; $7.50 per 100; $70 per 1,000.

VAN DER NEER—I. A very beautiful shade of deep violet-purple. A wonderful color outdoors, combined with deep yellow and a good midseason forcer. Height, 12 inches. $1.25 per doz.; $9 per 100; $85 per 1,000.

VERMILLION BRILLIANT—I. A large, brilliant, vermillion scarlet flower, having a yellow centre. An early bloomer indoors or out. Height, 13 inches. $1.10 per doz.; $7.50 per 100; $70 per 1,000.

WHITE BEAUTY—II. Pure white sport of Pink Beauty, having all of that variety's good qualities. It is excellent for bedding or late forcing. Height, 13 inches. $2.25 per doz.; $15 per 100.

YELLOW PRINCE—I. A bright yellow, sweet-scented Tulip. A splendid bedding variety and fine for early or late forcing. Height, 13 inches 90 cts. per doz.; $6.50 per 100; $60 per 1,000.

SINGLE EARLY MIXED. All colors, 70 cts. per doz.; $4.50 per 100; $40 per 1,000.

DOUBLE EARLY TULIPS

AZALEA—II. Large flowers of beautiful deep rose, flushed salmon. Highly recommended for forcing. Height, 12 inches. $1.10 per doz.; $7.50 per 100; $70 per 1,000.

CROWN OF GOLD—I. Large very rich golden-yellow flower, shaded orange. A splendid bedding variety and excellent for forcing. Height, 13 inches. $1.10 per doz.; $7.50 per 100; $70 per 1,000.

ELECTRA—II. Magnificent, enormous flower of beautiful rose color; feathered violet. Height, 13 inches. $1.80 per doz.; $12.50 per 100.

IMPERATOR RUBBORUM—II. Fine flowers of brilliant scarlet. One of the best scarlet varieties for either forcing or bedding. Height, 14 inches. $1.10 per doz.; $7.50 per 100; $70 per 1,000.

MR. VAN DER HOEF—II. A superb golden-yellow variety, large full flower. A grand bedder and fine forcer. Height, 13 inches. $1.20 per doz.; $8.50 per 100; $80 per 1,000.

MURILLO—II. Delicate rose-pink, flushed white. An excellent bedding variety and one of the easiest Tulips to force, although not early. Height, 12 inches. 75 cts. per doz.; $5 per 100; $45 per 1,000.

MYSTERY OF INDIA—II. Very large flower of fine apricot color, flushed orange-pink. Height, 12 inches. $1.15 per doz.; $8 per 100; $75 per 1,000.

ORANGE GLOBE—I. A sport of crown of gold, making a full flower of deep clear orange. Suitable for either forcing or bedding. Height, 13 inches. $2.25 per doz.; $15 per 100.

PEACH BLOSSOM—II. Bright rose-pink, flushed white, deepening with age to carmine-rose. Excellent for forcing. Height, 12 inches. $1.15 per doz.; $8 per 100; $75 per 1,000.

PRINCE OF ORANGE—II. The flowers are light yellow, broadly edged fiery-orange. When fully open, clear orange-yellow and yellow base. An intense color outdoors and good forcer. Height, 12 inches. $1.50 per doz.; $10 per 100.

QUEEN OF PINKS—II. Beautiful deep rose-pink, fine large flowers. Fine forcer and bedder. Height, 14 inches. $1.15 per doz.; $8 per 100; $75 per 1,000.

SCHOONOORD—II. Snow-white sport of Murillo. Fine full flowers. The finest white double Tulip, either for bedding or forcing. Height, 12 inches. 90 cts. per doz.; $6.50 per 100; $60 per 1,000.

TEAROSE—I. Fine flower of soft pale yellow, flushed salmon. A distinct shade outdoors and a delightful color when forced. Height, 12 inches. 80 cts. per doz.; $5.50 per 100; $50 per 1,000.

TOREADOR—I. Bright orange-scarlet, broadly margined buff-yellow. Large flower and an extra good forcer. Height, 13 inches. $1.75 per doz.; $12 per 100.

TRIUMPHATOR—II. A beautiful Tulip of bright delicate pink color. An excellent forcer and is extremely fine when grown under glass. Height, 12 inches. $3.25 per doz.; $22.50 per 100.

DOUBLE TULIPS MIXED. All colors, 75 cts. per doz.; $5 per 100; $45 per 1,000.

NARCISSI

These flowers should be found in every garden, as they naturalize so easily and are very hardy. Not only the old fashioned yellow daffodil and poeticus types, but the newer creations of the hybridizers which consist of the most striking creations of white perianth and scarlet trumpets, lovely creamy white and pure white giant trumpets, improved poetaz varieties, which are not appreciated as much as they should be, and general improvements and refinements in all classes of this popular flower.

They are all most readily grown indoors and can, with a little care be had in bloom from early January on, till the outdoor season is past. Naturalized outdoors they form a gorgeous spring picture that amply repays each year all the trouble and expense which it cost.

NARCISSI FOR NATURALIZING

An excellent mixture, containing the best varieties of the following types: Barri, Leedsi, Incomparabilis, Poeticus, Poetaz and Trumpet, which are suitable for naturalizing along the outside edges of the shrubbery border, along woodland walks, on the margins of lakes and streams, through the woodlands and meadows, or any nook or corner where they can be left undisturbed indefinitely. For larger blooms they should be dug up every three or four years, separated and replanted. $7.50 per 100, $70 per 1000.

LARGE TRUMPET NARCISSI

This class, commonly called Daffodils, are distinguished by their large bold flowers and long trumpets. They are divided into three groups: Those having both trumpet and perianth yellow; those being all white, and the bicolors, which have yellow trumpets and white perianths.

AEOLUS. Snow white perianth, large yellow trumpet with beautifully frilled and recurved brim. As far as we know, this is the largest, most perfect bicolor in existence today. Its colors are pure, its dimensions strikingly symmetrical. $8.50 per doz.; $60 per 100.

CERVANTES. A very early variety. Perianth clear sulphur; trumpet yellow and nicely frilled. $2.25 per doz.; $16 per 100.

EMPEROR. Perianth deep primrose-yellow; trumpet rich yellow; a very large flower. Excellent for naturalizing or forcing.

	Doz.	100
Large Bulbs	$1.75	$12.00
Mammoth Bulbs	2.50	17.50

EMPRESS. White perianth of great substance; trumpet rich chrome-yellow. Showy for border or naturalizing. Does equally well forced.

	Doz.	100
Large Bulbs	$1.75	$12.00
Mammoth Bulbs	2.50	17.50

GOLDEN SPUR. A very good variety, both perianth and trumpet being of a rich yellow color. It is of unusually robust habit and unsurpassed for garden, pots or forcing.

	Doz.	100
Large Bulbs	$1.75	$12.00
Mammoth Bulbs	2.50	17.50

GLORY OF SASSENHEIM. Beautiful large bicolor. An enlarged Victoria. Very early forcer. $3 per doz.; $20 per 100.

IBANEZ. Broad white perianth, widely expanded deep yellow trumpet and broad foliage. A wonderful variety for pans. $5 per doz.; $35 per 100.

KING ALFRED. This is considered the largest and finest deep golden yellow Trumpet variety. A tall, strong grower, with magnificent frilled trumpet and large perianth, all of a uniform rich golden yellow.

	Doz.	100
Large Bulbs	$3.00	$20.00
Mammoth Bulbs	4.25	30.00

MINISTER TALMA. Of the same form as King Alfred, but slightly smaller. A great improvement on Golden Spur, although not quite so early but well worth growing for medium early flowers either indoors or out. $3 per doz.; $20 per 100.

OLYMPIA. This remarkably fine Daffodil might briefly be described as a greatly improved Emperor, being much larger and of a richer, deeper color. $4.25 per doz.; $30 per 100.

PETER BARR. Perianth pure white, trumpet ivory-white, of very fine form and substance. The foliage has a bluish tint which greatly enhances the beauty of the flower. A distinct improvement on the old white kinds and we highly recommend it. $7.25 per doz.; $50 per 100.

ROBERT SYDENHAM. Sulphur-yellow, well-formed perianth; beautiful, large, yellow, wide-open trumpet, with a fine deeply frilled brim. A splendid exhibition variety for forcing after February 1. $5 per doz.; $35 per 100.

SIR FRANCIS DRAKE. Clear yellow, large, very early long stemmed cut flower and show variety. One of the good newer kinds and should be used particularly for early forcing. Not very good for naturalizing. $3.75 per doz.; $25 per 100.

SPRING GLORY. Clear white perianth with long petals of splendid form; long trumpet of deep yellow, well reflexing at the brim. $3.25 per doz.; $22.50 per 100.

TRESERVE. One of the largest Daffodils. Large flowers of a beautiful light yellow color. Highly recommended for exhibition purposes. A valuable variety for forcing or planting out. $5 per doz.; $35 per 100.

VAN WAVEREN'S GIANT. Perianth soft primrose-yellow with an immense bright yellow trumpet fringed at the rim. Vigorous grower, and just as satisfactory for growing in pots as in the garden. $5 per doz.; $35 per 100.

W. P. MILNER. Miniature white trumpet and perianth. Splendid for rockeries or for forcing in small pans. $3.75 per doz.; $25 per 100.

GIANT TRUMPETS IN MIXTURE. A mixture of the large trumpet varieties suitable for naturalizing in the shrubbery border and woodlands. $1.75 per doz.; $12 per 100; $110 per 1,000.

King Alfred

Spring Glory

MEDIUM TRUMPET NARCISSI

BARRII

The flowers of this group are characterized by their short cups or crowns, which measure about one third or less of the length of their perianth segments. The colors of the crowns range from yellow and orange to scarlet, and the perianth from white to primrose and yellow. They contain the most brilliant of the red crowned varieties.

ALBATROSS. White perianth of good form, pale citron-yellow cup with exquisitely frilled edge of glowing orange-red; very beautiful and large flower. $2.25 per doz.; $15 per 100.

BATH'S FLAME. Deep primrose perianth with long broad petals, large deep yellow cup with wide edge of orange-red. A flower of outstanding character and color. $7.25 per doz.; $50 per 100.

CONSPICUUS. Large, soft yellow perianth; short cup, edged orange-scarlet. A popular and distinct variety. $1.50 per doz.; $10 per 100.

FIREBRAND. The combination of creamy white petals and glowing red fluted cups really suggests live bits of coals resting on sheer inflammable material. A small flower when compared to the latest introductions, but not inferior to any of the most expensive in brilliancy. Very free flowering when established a year or more. We have picked seven flowers from a two year old plant. $1.75 per doz.; $12 per 100.

MASTERPIECE. Creamy white perianth with broad rounded petals, well fluted flat crown of orange scarlet. Flowers stand well above the foliage and about 23 inches high. Truly a masterpiece. $3 per doz.; $20 per 100.

RED CHIEF. White, bold, flat cup with broad band of bright crimson-scarlet. First-class exhibition variety. $3.75 per doz.; $25 per 100.

LEEDSII

This class contains the most delicately colored and exquisite kinds of Narcissi, made up of all those short crowned or cupped varieties having white perianth and cups of white, cream of pale primrose. For those who will sacrifice great size for beauty of tones and perfectness of texture this class is unexcelled either for outdoor growing or for the greenhouse.

CRYSTAL QUEEN. One of the giants of this class of Daffodils, well formed flowers of fine substance and fully three and one-half inches across. Pure white perianth and large cup of pale primrose passing off to white afterward. An exceedingly beautiful variety. $5 per doz.; $35 per 100.

EVANGELINE. Pure white perianth; lemon-yellow cup. Large, beautiful flower. $2.25 per doz.; $15 per 100.

LORD KITCHENER. Pure white perianth, very broad and flat, of heavy texture, crown pale primrose, wide open, choice. $7.25 per doz.; $50 per 100.

QUEEN OF THE NORTH. Large broad perianth of clear glistening white and finest texture, cup lemon yellow very prettily fluted. An extremely large lovely flower of purest color. $2.25 per doz.; $15 per 100.

SOUTHERN GEM. Beautiful, pure white petals; large lemon-yellow crown. A splendid flower of rare symmetry. Forces well. $1.75 per doz.; $12 per 100.

WHITE LADY. Virtually a white Sir Watkin. Large, broad, pure white perianth; bold frilled cup of pale citron passing to white. $1.75 per doz.; $12 per 100.

INCOMPARABILIS

The distinguishing feature of this group are the medium length trumpets, averaging from one third to nearly the length of the perianth segments. Their colors are much the same as the Barrii class but the flowers are larger, but not quite so intensely colored.

AUTOCRAT. Primrose yellow perianth with pointed petals, large broad well expanded yellow cup. Very free-flowering and excellent for cutting. Especially recommended for mass effects in naturalized woodland plantings. $3 per doz.; $20 per 100.

BERNARDINO. Large, creamy perianth; cup widely expanded and frilled, stained deep orange and apricot. A truly superb variety. $3.75 per doz.; $25 per 100.

DIADEME. Creamy white perianth, very broad yellow crown. A choice companion to Autocrat, and others in large plantings under trees and in "vista" landscape work. $1.50 per doz.; $10 per 100.

HOMESPUN. One of the most perfectly formed and colored Daffodils. Perianth nicely rounded, each petal overlapping the other and of a pleasing shade of soft yellow, beautifully frilled crown of a richer tone than the perianth. $4.25 per doz.; $30 per 100.

LUCIFER. A large-flowering variety with white perianth and cup of glowing red-orange; strong grower. $1.85 per doz.; $13 per 100.

SIR WATKIN. Primrose perianth; crown yellow, tinged bright orange. This is the largest and most popular of the short-cup Narcissi. Mammoth bulbs. $2.50 per doz.; $17.50 per 100.

WHITEWELL. Petals pure creamy white, bold open crown of that strong yellow which is a near approach to orange. Excellent size and texture. A friendly substantial flower, slightly facing upwards from 18 inch stems. Recommended for bowls and shallow bulb pans. Attractive garden variety. $3 per doz.; $20 per 100.

WILL SCARLET. A Daffodil of most striking color, having a creamy white perianth with a rather informal petal arrangement and a broad wide open cup of a wonderful orange-scarlet. $4 per doz.; $27.50 per 100.

Will Scarlet

DOUBLE NARCISSI OR DAFFODILS

The double varieties are particularly well adapted for winter forcing and keep a long time as cut flowers. Grown in the open they are suited for planting in solid beds, or they may be naturalized either in the lawn, the meadow, or the woodland. A clump here and there in the perennial bed makes a very attractive showing.

ALBA PLENA ODORATA. A sweet-scented, pure white variety called Double Poet's Narcissus. It flowers later than many of the other Daffodils, and is not desirable for forcing, but makes a handsome show bedded among perennial plants and shrubbery. $2 per doz.; $14 per 100.

ORANGE PHŒNIX. Eggs and Bacon. Beautiful, double white flowers with orange centre. Splendid for pot culture and cutting. $2.70 per doz.; $18 per 100.

PRIMROSE PHŒNIX. Large, rose-shaped, primrose-yellow flower on long stem. $3.25 per doz.; $22.50 per 100.

SULPHUR PHŒNIX. Identical with Orange Phoenix, except that the pale yellow color showing when the flower opens soon passes to white, so that when full blown it makes a snow white flower of splendid size and form. $2.50 per doz.; $17.50 per 100.

DOUBLE VON SION. The true "Double Yellow Daffodil." Rich golden yellow perianth and trumpet. This is the old favorite so highly prized in old-fashioned gardens.

	Doz.	100
First Size Bulbs	$1.75	$12.00
Mammoth Size Bulbs	2.50	17.50

NARCISSUS POETAZ

You can grow the lovely Poetaz Narcissus out-of-doors without danger—perfectly hardy. Flowers are the shape of Poeticus varieties, with free-flowering habits of the Polyanthus. Several flowers in a cluster on one stem. Excellent for forcing, as well as the garden.

ADMIRATION. A most lovely variety in this class of Daffodils. Beautiful outdoors and fine for cutting as it lasts well in water and has a delightful perfume. The perianth petals are sulphur-yellow and of finest texture and pale yellow cup edged orange-scarlet. Usually six flowers to the stalk. $3.75 per doz.; $25 per 100.

CHEERFULNESS. Double white Poetaz hybrid, 3 to 4 large flowers on a strong stem. While the general effect of the coloring is white, there is a suggestion of pale yellow at the base of the petals which seems to give character to the entire flower. It certainly stands out as one of the best and most charming introductions of recent years. A wonderful show variety, and proven hardy in New England. $7.25 per doz.; $50 per 100.

EARLY PERFECTION. New. The earliest of all. Can be forced to bloom in January. White with yellow cup. Three to four flowers on a stem. $3.25 per doz.; $22.50 per 100.

ELVIRA. A large flower of remarkable substance; perianth pure white with a yellow eye; three or four flowers on a stem. Splendid for pots, pans, or garden culture. $2.25 per doz.; $15 per 100.

HELIOS. Creamy yellow; pure yellow cup. Good forcer. $2.25 per doz.; $15 per 100.

ORANGE CUP. Creamy white; conspicuous orange cups—a most delightful color combination. There are six to eight florets per stem and usually two stems per bulb. $3.00 per doz.; $20 per 100.

Horace

NARCISSUS POETICUS
(Poet's or Pheasants-Eye Narcissus)

Old-fashioned favorite type; all have snowy white flowers, with yellow or lemon cups margined more or less deeply with red and with rich, spicy odor. Do well in the open border, or naturalized in grass, are perfectly hardy, and once planted take care of themselves.

HORACE. Pure white perianth; conspicuous red eye. Free-flowering and strong-stemmed. A splendid forcing variety. $2.25 per doz.; $15 per 100.

KING EDWARD VII. An older and excellent variety that has been somewhat scarce in recent years. Flower of fine size and form having broad white petals and pale cup edged deep red. $2.25 per doz.; $15 per 100.

THELMA. A very large beautiful variety, having overlapping petals of purest white and light yellow cup edged brilliant crimson. One of the best show varieties and lovely outdoors. $2.50 per doz.; $17.50 per 100.

ORNATUS. More symmetrical than the old Poeticus, and blooms much earlier; flowers large, pure white; cup margined with scarlet. Mammoth Size Bulbs. $1.65 per doz.; $11 per 100.

RECURVUS (The Old Pheasants-Eye). Pure white perianth; cup deep orange-red. Late bloomer. $1.15 per doz.; $8 per 100.

JONQUILS

Much prized for their sweet-scented, small, golden yellow flowers; admirably adapted for winter flowering in soil. Perfectly hardy and easily naturalized.

CAMPERNEL GIGANTEUS. The finest and best of the hybrids. Size, perfume and foliage are superior to any of the preceding forms. A very fine fragrant cut flower variety; as its clusters are impressive, a dozen stems make a very nice looking bunch. Forces readily and early. $1.80 per doz.; $12.50 per 100.

CAMPERNELLE RUGULOSUS. Large, rich yellow flowers, borne very freely, and fine for cutting. $1.50 per doz.; $10 per 100.

CAMPERNEL PLENUS. Very fine double form, beautiful golden yellow, 2-4 florets per stem. $2.25 per doz.; $15 per 100.

SINGLE SWEET-SCENTED. Rich buttery yellow; not as large a flower as the others, but most fragrant and very free-flowering. $1.15 per doz.; $8 per 100.

POLYANTHUS NARCISSI
(American Grown)

The flowers of this class of Narcissi are deliciously sweet-scented and are suitable for the window-garden and the conservatory. The bulbs are of the easiest culture and produce flowers very freely, on long stems bearing from six to a dozen blooms each.

	Doz.	100
GRAND SOLEIL D'OR. Yellow, with orange cup; very free-blooming.		
Mammoth Bulbs	$2.50	$18.00
Monster Bulbs,	2.75	20.00

PAPER-WHITE GRANDIFLORA NARCISSI

The beauty and grace of these flowers may be enjoyed throughout the winter with small outlay of money and effort. Successive plantings give flowers from Christmas until Easter. Plant the bulbs so that they almost touch each other in soil, fiber, or water, supported by pebbles, and store them in a cool, dark place for about five weeks until they are well rooted. Bring them into the light gradually as they are needed. If potted about October 1, and brought to the light in the middle of November, they will be in bloom for Christmas.

Our bulbs are from the best American-grown stock, and we confidently expect them to be equally as satisfactory as those we used to get abroad, but we cannot guarantee this.

	Doz.	100
Mammoth Size Bulbs	$1.25	$9.00
Monster Bulbs	1.50	10.00
Jumbo Bulbs	2.25	15.00

CHINESE SACRED NARCISSI

Flowers in clusters very similar to those of the Paper-White Narcissus, but the cups within the petals are yellow. Planted in pots or bowls, in soil or in water with pebbles, they bloom in from six to eight weeks. Plant bulbs at intervals of ten days up to Christmas.

MAMMOTH BULBS. 30 cts. each; $3 per doz.; $20 per 100.

Narcissi Paper White Grandiflora

Miscellaneous Bulbs and Roots

AMARYLLIS

On receipt of the bulbs in the autumn they should be placed where they will always be slightly moist and warm—under the benches of a greenhouse, for example. Do not pot up the bulbs before the flower-buds appear; when first potted, give very little water, and promote growth by giving moderate bottom heat; increase the supply of water as the plants progress. Very often the mistake is made of potting up the bulbs too early; the consequence is that only leaf-growth is made.

GIANT AMERICAN HYBRIDS. We believe this selection is the best obtainable at the present time, and we know of nothing that will give the amateur greater pleasure for the window-garden. They are of vigorous growth, free-flowering habit, and enormous size of the individual flowers. We offer mixed varieties only, in very strong bulbs (ready November 1).

	Each	Doz.
Mammoth Bulbs	$0.75	$8.00
Monster Bulbs	1.50	15.00

ANEMONES (Windflower)

These popular flowers of French origin are exceedingly useful as a decorative plant for house or garden, and fine for cutting. If planted outdoors in the fall they must be well protected with leaves or other litter; they may also be planted in the spring in well-drained soil, and will flower during the summer, starting in May. When planted in pots, place twelve or more in a cluster and store away, if possible, in a cold frame until February 1; if carefully watered, when brought into the house, they will flower abundantly.

SINGLE DE CAEN (Giant French Poppy-flowered Anemone). Large flowers of brilliant and varied colors. $1.10 per doz.; $7.50 per 100.

ST. BRIGID. The flowers are semi-double, most varied and beautifully colored, and if cut before fully out are most useful for decorative purposes. $1.50 per doz.; $10 per 100.

CALLA LILIES

WHITE (Richardia æthiopica). The White Calla or Lily-of-the Nile, is a well-known plant of easy culture, and in winter is one of our best window plants. To aid profuse blooming keep them dormant from the middle of June until the last of August; repot as soon as received in good, rich soil, using 6 to 8-inch pots; give water, light and heat in abundance, and the result will be most satisfactory.

	Each	Doz.	100
Mammoth Roots	$0.40	$4.00	$30.00
Monster Roots	.60	6.00	45.00

GODFREY EVERBLOOMING WHITE. This is a great improvement over the ordinary White Calla, especially for the amateur, being of even freer growth and much more floriferous over a longer season. The flowers, while a trifle smaller than the old-fashioned Calla, are of pure white.

	Each	Doz.	100
First-Size Roots	$0.25	$2.50	$18.00
Mammoth Roots	.40	4.00	30.00

YELLOW, ELLIOTTIANA. The finest Yellow Calla. Large, rich deep golden flowers often 4 to 5 inches across at the mouth, Habit of growth and foilage like the old favorite White Calla excepting the leaves of Elliottiana are spotted with white.

	Each	Doz.	100
First-size Roots	$0.35	$3.50	$25.00
Mammoth Roots	.45	4.50	35.00
Monster Roots	.60	6.00	45.00

CHIONODOXA (Glory-of-the-Snow)

The most beautiful of dwarf blue spring flowers, resembling those of *Scilla sibirica*, but larger, slightly taller and more handsome. The Chionodoxas are very hardy, thriving in any ordinary garden soil and in almost any situation. They should be planted in the fall, 3 inches deep, about 18 bulbs to a square foot, in a sunny location or in half shade and in places where they can remain undisturbed for a number of years. The flowers will cross with one another and will seed themselves, forming natural colonies.

LUCILLIÆ. Bright, sky-blue flowers, with large white centres. 50 cts. per doz.; $3.50 per 100; $30 per 1,000.

SARDENSIS. Rich deep blue, with small white centre. 65 cts. per doz.; $4.00 per 100; $35 per 1,000.

GIGANTEA. Resemling *C. Luciliae*, but with much larger blooms of soft gray-blue. 75 cts. per doz.; $5 per 100; $45 per 1,000.

GIANT CROCUS
(Mammoth-flowering Named Varieties)

These are large, selected bulbs of the best varieties and are noted for the immense size and quantity of their flowers and richness of color. The small, cheap bulbs we do not handle, as they fail to give satisfaction. Crocuses may be planted as an edging to beds, in careless patches in the grass, in masses among trees and shrubs, or on the slopes of terraces. In pots, planting twelve to fifteen bulbs in a 6 or 7-inch pan, they are very beautiful. Plant 2 inches deep and from 1 to 2 inches apart.

	Doz.	100	1,000
ALBION. Striped	$0.65	$4.00	$35.00
BARON VON BRUNOW. Blue.	.65	4.00	35.00
GOLDEN YELLOW.			
Mammoth Bulbs	.70	4.50	40.00
Jumbo Bulbs	.80	5.50	50.00
KATHLEEN PARLOW. Extra-fine white Crocus with deep orange anthers	.70	4.50	40.00
KING OF THE WHITES. Large; white	.70	4.50	40.00
MAXIMILIAN. A pleasing shade of lavender. Distinct from all others	.65	4.00	35.00
PALLAS. White ground with fine light lilac stripes; showy orange anthers; extra-large flower	.65	4.00	35.00
PURPUREA GRANDIFLORA. Large; purple	.70	4.50	40.00
SIR WALTER SCOTT. Striped.	.65	4.00	35.00
GIANT NAMED MIXED	.65	4.00	35.00
FINE MIXED	.40	2.50	22.00

ERANTHIS HYEMALIS
(Winter Aconite)

Early in spring the golden blossoms look charming, resting on an emerald-green cushion of leaves, and forming a striking contrast to the snowdrops, scillas and chionodoxas. The foliage remains long after the flowers, making the plant especially valuable in moist situations, such as under trees, and where few other flowering plants will thrive. 5 to 8 inches high. 50 cts. per doz.; $3 per 100; $25 per 1,000.

Chionodaxa

Yellow Croeus

Muscari Heavenly Blue

FREESIAS

One of the most beautiful and popular flowers for house or conservatory. Very valuable for cutting, being peculiarly graceful and possessed of a sweet, delicate perfume. They force easily and may be had in bloom by Christmas if desired.

WATERER'S PURITY. The flowers are of extra-large size and of a pure glistening white.

	Doz.	100	1,000
Mammoth Bulbs	$0.50	$3.50	$30.00
Monster Bulbs	.80	5.50	50.00
Jumbo Bulbs	1.00	7.00	65.00

Giant-flowering Colored Freesias

These beautiful novelties are rapidly winning favor on account of their lovely and unique colorings. Very fragrant and free-flowering.

AMETHYST. A beautiful amethyst-blue with light centre. Strong, sturdy grower. $1.50 per doz.; $10 per 100.

CALIFORNIA. A large flower of a bright golden yellow; extra strong, fine growth and long stems. One of the very finest yellow Freesias. $1.15 per doz.; $8 per 100.

CARMENCITA. A beautiful light orange-salmon hue with buff shading on the lower petals; long, wiry stems. $1.10 per doz.; $7.50 per 100.

CARRIE BUDAU. Lavender-pink; a great improvement over Gen. Pershing with larger flowers and heavier stems. An enormous grower and producer. $1.25 per doz.; $9 per 100.

GOLDEN DAFFODIL. Deep golden yellow, flowers large and of great substance with long wiry stems. $2.25 per doz.; $15 per 100.

GOLDEN TREASURE. New Giant Yellow Freesia of great merit. Edges of petals, flushed lavender, flowers very large and of exceptionally strong growth. $2.25 per doz.; $15 per 100.

JUNE MICHELSEN. Large-flowering deep rose-pink, with light blush throat, three lower petals are veined purplish crimson, with a deep yellow blotch on centre petal. Good stiff stems and strong constitution. A variety of special merit. $1.50 per doz.; $10 per 100.

MENDOTA. A new giant yellow Freesia of splendid clear color. It is a strong, vigorous grower with long, sturdy stems, making it a valuable cut flower. $1.50 per doz.; $10 per 100.

MRS. MARC PETERS. Very attractive deep rosy salmon, with lower petals blotched orange and yellow. $1.50 per doz.; $10 per 100.

OLIVETTE. Bright carmine-red, with light yellow throat, lower petals having a deep yellow blotch with crimson veins. Very profuse bloomer. $1.25 per doz.; $9 per 100.

YELLOW PRINCE. A fine clear yellow very free-flowering variety, blooms large in size, borne on strong stems. $1.10 per doz.; $7.50 per 100.

FRITILLARIA IMPERIALIS (Crown Imperials)

Well-known hardy border plants, bearing clusters of immense, pendent bell-shaped flowers, surmounted with a tuft of green leaves. They are excellent for hardy borders and may be left undisturbed for years.

	Each	Doz.	100
Red	$0.60	$6.00	$45.00
Yellow	.75	7.50	60.00

FRITILLARIA MELEAGRIS (Guinea-Hen Flower)

Dwarf, spring-flowering plants, bearing large, pendent, bell-shaped flowers of various colors, in yellow, white, black, purple, striped and splashed and checkered in the most curious way. They are invaluable for pot culture, and exceedingly pretty when grown in large groups in the garden border or wild garden in a dry situation.

Mixed Colors. 80 cts. per doz.; $6 per 100; $55 per 1,000.

MUSCARI (Grape Hyacinth)

These very curious and pretty little Hyacinths are perfectly hardy, are of the easiest culture, and thrive and increase in either sunny or partially shaded positions in the garden. When naturalized in little colonies where they can remain undisturbed for several years, the effect is very pretty, while as edgings they are most charming. All are also adapted for winter flowering in the house.

Blue. 45 cts. per doz.; $3.00 per 100; $25 per 1,000.

White. 85 cts. per doz.; $6 per 100; $55 per 1,000.

Heavenly Blue. A new type with larger flowers of a bright sky-blue and delightfully fragrant. Desirable for cutting and of splendid effect massed in the garden or border. 65 cts. per doz.; $4 per 100· $35 per 1,000.

Various Bulbous Irises

DUTCH IRIS (Iris hollandia)

This new strain much resembles the well-known Spanish Iris, but the whole habit of growth is more vigorous. The large flowers are similar in appearance to those of the Spanish Iris and have orange blotches on the wide falls. Their greatest value is in their earliness, flowering two weeks before the Spanish, outside, and, when forced, will bloom in February and March. Invaluable as a cut flower.

DAVID BLESS. A very fine light blue. Very early. $2.25 per doz.; $15 per 100.

FRANS HALS. Standards light blue; falls pale primrose—exquisite color combination. $1.75 per doz.; $12 per 100.

HEEMSKERK. Sulphur-yellow, with deeper yellow falls. $2.25 per doz.; $15 per 100.

REMBRANDT. Wide, dark blue standards; falls rich deep blue with fine orange blotch. Vigorous grower. $1.75 per doz.; $12 per 100.

WHITE EXCELSIOR. Beautiful, large, elegant flowers of uniform pure white. $2.25 per doz.; $15 per 100.

WEDGWOOD. Large flower of beautiful wedgwood blue borne on a strong stem. It may be had in bloom in the greenhouse as early as mid-January. This variety is very free-flowering. $3.75 per doz.; $25 per 100.

YELLOW QUEEN. Standards pale yellow, falls golden yellow. Rounded falls and wiry stems. Excellent for forcing or outside. $2.25 per doz.; $15 per 100.

SPANISH IRIS (Iris hispanica)

These are extremely early and produce fragrant, orchid-like flowers of rich and beautiful colors. They are excellent for forcing, either in pans or in boxes for cutting. They are hardy out-of-doors, requiring only slight mulching in winter.

These and the Dutch Iris must not be confused with the ordinary German and Japanese Iris, and when planted out of doors care should be taken that they are not put in a damp location as the bulbs will rot if they do not have perfect drainage. They are not suitable for planting around the edges of ponds or along streams, but are best planted in the perennial border.

BELLE CHINOISE. Rich golden yellow, earliest of all in this color.

KING OF THE BLUES. Deep dark blue, shaded lighter.

QUEEN WILHELMINA. Large, pure white, with distinct yellow blotch, the earliest white.

RECONNAISSANCE. Dark bronze, golden blotch. Extra fine.

Price, any of the above Spanish Irises, 85 cts. per doz.; $6 per 100.

IRIS FILIFOLIA

IMPERATOR. A strong-growing Iris with rich deep blue flowers. A splendid greenhouse variety, but not hardy in this climate. $2.25 per doz.; $15 per 100.

IXIAS

The Ixia is a beautiful little winter-flowering bulb, with long slender, graceful spikes of bloom. The colors are rich, varied and beautiful, the centre always differing in color from the other parts of the flower, so that the blossoms, expanding in the sun's rays, present a picture of gorgeous beauty. Very desirable for pots. We offer them in mixture, of best named varieties, at 75 cts. per doz.; $5 per 100; $45 per 1,000.

Lily-of-the-Valley

LILY-OF-THE-VALLEY
Cold Storage, for Growing in the House

Few people realize how easily the dainty Lily-of-the-Valley can be brought to perfection in the house in three weeks, with longer stems and larger flowers than any grown outdoors.

By planting our specially prepared roots successively in fiber, peat or soil, and giving them gentle heat and plenty of water, these delicately lovely highly fragrant flowers may be had in profusion throughout the winter and early spring.

About Lily-of-the-Valley

We believe our Cold Storage Lily-of-the-Valley Pips are absolutely the finest grade of pips that it is possible to procure from Germany.

It has been our good fortune to supply the finest estates in the country with these pips. Ready for immediate delivery.

WATERER'S "XXX PERFECTION BRAND." An extra-fine grade for forcing, which we carry in cold storage for immediate delivery. $1.25 per doz.; $8.50 per 100. Case of 250, $20; 500, $37.50; 1,000, $75.

If wanted by parcel post, add 10c. per doz.; 25c. per 100, for postage

FRESH PIPS. Ready in December. $7 per 100; $65 per 1,000.

CLUMPS. Ready in November. For outdoor planting only. They are perfectly hardy and will naturalize readily and soon form large clumps if given the proper conditions. Anywhere in the garden among shrubs or under trees where they are shaded most of the time and where they can get plenty of moisture, preferably where it is always a little damp and cool. 60 cts. per clump; $6 per doz.; $45 per 100.

Anemones De Caen

Dutch Iris

Ranunculus

LEUCOJUM VERNUM
(Spring Snowflake)

Pretty bulbous plants allied to the snowdrops, growing from 1 to 2 feet high in rich soil, and producing freely beautiful large white flowers, distinctly tipped with green, excellent for cutting. They should have a place in all hardy collections, particularly shady nooks. $1 per doz.; $7 per 100.

OXALIS

Charming little half-trailing or bushy plants, particularly adapted for pot-culture and hanging-baskets. The foliage alone is very attractive and when in flower they are exceedingly pretty.

BUTTERCUP. Large, rich yellow flowers.

GRAND DUCHESS. A variety of great beauty; of dwarf, sturdy growth, throwing their large flowers well above the foliage. We offer them in three colors, **Pink, White** and **Lavender.**

Price, any of the above, 50 cts. per doz.; $2.75 per 100.

RANUNCULUS

Gorgeous dwarf flowers, easily grown in pots for winter-blooming or in cold frames for spring. Plant about 8 roots in a 6-inch bulb-pan covering 1 inch. The colors vary from white, yellow, crimson, purple to almost black.

GIANT DOUBLE FRENCH, MIXED. 90 cts. per doz.; $6.50 per 100.

SCILLAS
(Blue Bells and Wood Hyacinths)

All the varieties of the *Scilla campanulata* and *S. nutans* family are splendid for naturalizing, because they will flower in shady places, where almost any other flower will die. Both have bells like small hyacinths, forming long and graceful spikes.

SIBIRICA. Most beautiful hardy spring bulbs, producing in profusion masses of exquisite rich blue flowers almost before the snow has disappeared. If grown with snowdrops and crocuses, for contrast, the effect is magnificent. Splendid for the rock-garden. Top-size bulbs, 80 cts. per doz.; $5.50 per 100; $50 per 1,000.

CAMPANULATA (Wood Hyacinth). Flowers borne on tall spikes 1 to 2 feet high. Each flower measures nearly an inch across and droops gracefully; perfectly hardy; also fine for pot culture. We offer the following colors:

	Doz.	100	1,000
White	$0.70	$4.50	$40.00
Blue	.70	4.50	40.00
Pink	.85	6.00	55.00

NUTANS. The true English Blue Bell. A showy, vigorous-growing variety that is effective when planted with May-flowering Tulips. Height, 12 to 15 inches. 45 cts. per doz.; $3 per 100; $25 per 1,000.

SNOWDROPS

These elegant little flowers, the first to open in spring, should be found in every garden. The Snowdrop thrives in almost any situation or soil, and should be planted as early in the autumn as possible. A combination of crocuses, scillas and Snowdrops make a glorious effect when planted promiscuously in a border, one following the other in flowering and in change of color.

	Doz.	100	1,000
Single	$0.70	$4.50	$40.00
Double	.85	6.00	55.00

SPIREA—November Delivery

This beautiful pot plant, usually grown by the florist for Easter we are able to offer in seven named varieties, in clumps suitable for growing in 6-inch pots.

AMERICA. Delicate lilac-rose; splendid forcer.

GLADSTONE. Large spikes of pure white flowers, borne on strong stems 18 inches high.

PEACH BLOSSOM. A very lovely shade of peach-blossom-pink. A very free-flowering variety.

PRINCESS MARY. One of the very best of the dark pinks.

QUEEN ALEXANDRA. A popular variety on the order of Gladstone, but of a pale pink color.

RUBENS. Deep carmine-rose; very strong grower.

Any of the above 6 varieties, 85 cts. each; $9 per doz.; $65 per 100.

GLORIA. Dense feathery plumes of a splendid brilliant dark pink, with a soft lilac shade. $1 each; $10 per doz.; $75 per 100.

RHINELAND. New. Bright crimson, shaded salmon. $1 each; $10 per doz.; $75 per 100.

Lilium Speciosum Rubrum

Lilium Regale

HARDY LILIES (Lilium)

The demand for Hardy Lilies is rapidly increasing. The stately habit, beauty of form, and variety of colors displayed by the various species is almost endless and always interesting and handsome. The earlier types commence flowering in June and later sorts maintain a succession of bloom until autumn. Some are excellent for backgrounds and shrubbery borders; and other kinds are suitable for growing in the conservatory.

We recommend planting 6 to 8 inches deep. Speciosums require at least 8 inches, with some sand beneath the bulb to insure drainage. Cover the beds with leaves or litter during winter. The following varieties may be planted either in the fall or in the spring with excellent results, except *Lilium candidum*, which must go into the ground in early autumn.

Most Lily bulbs do not arrive in our country until October and November, which is the best time to plant them. Where the ground is liable to freeze before late Lilies arrive the beds or borders should be prepared beforehand and covered with leaves or litter to keep ground from freezing.

AURATUM (Golden-banded Lily). Often 8 to 12 inches across. White, spotted crimson, each petal marked in centre with wide band of yellow. Fragrant. August.

	Each	Doz.	100
Mammoth Bulbs	$0.50	$5.50	$40.00
Monster Bulbs	.70	7.00	50.00

BATEMANNIÆ. Strong stems. Five to ten flowers of a reddish orange color. July, August. 3 to 4 feet. 40 cts. each; $4 per doz.; $27.50 per 100.

CANDIDUM (The Madonna Lily). Large heads of purest white flowers, lit in the centre with brilliant golden anthers. Deliciously fragrant. Does not like to be moved after it is once established and if undisturbed, will increase abundantly from year to year. 3 to 5 feet.

	Each	Doz.	100
Large Bulbs	$0.35	$3.50	$25.00
Extra-large Bulbs	.50	5.00	35.00
Mammoth Bulbs	.55	5.50	40.00
Monster Bulbs	.70	7.00	50.00

CANADENSE. Graceful and charming bell-shaped flowers, yellow spotted black. June, July. 2 to 3 feet. 30 cts. each; $3 per doz.; $20 per 100.

GRAYI. A native Lily with deep red flowers. One of the finest for planting in shady places. Small, rich red flowers, spotted maroon. July. 3 to 4 feet. 30 cts. each; $3 per doz.; $20 per 100.

HANSONI. Flowers reddish orange, eight to twelve in a cluster; petals thick, durable. Blooms late in June. 3 to 4 feet. 90 cts. each; $9.00 per doz.

HENRYI. This beautiful and rare variety closely resembles the Lilium Speciosum type, and has been called "Yellow Speciosum." The color of the flowers are rich apricot-yellow with a few brown spots. 3 to 5 feet.

	Each	Doz.	100
Mammoth Bulbs	$0.90	$9.00	$70.00
Monster Bulbs	1.25	12.00	90.00

Lilies, continued

PHILADELPHICUM. Yellow, cup-shaped flowers, spotted maroon and shaded orange. Good for naturalizing. July. 3 feet. Large Bulbs, 35 cts. each; $3.50 per doz.; $24 per 100.

REGALE. Large, trumpet-shaped, delicately scented flowers. Ivory-white, shaded mauve or purple-pink on the outside, with a glorious canary-yellow glow suffusing the centre of the flower. It is also excellent for forcing. July. 3 to 5 feet.

	Each	Doz.	100
Large Bulbs	$0.50	$5.00	$37.50
Mammoth Bulbs	.75	7.50	60.00
Monster Bulbs	1.25	12.00	90.00

SPECIOSUM ALBUM. A charming, late-flowering, pure white hardy garden Lily of easy culture. Mammoth Bulbs. 80 cts. each; $8 per doz.; $60 per 100.

SPECIOSUM MAGNIFICUM. Rich deep red flower, spotted crimson. Blooms in August.

	Each	Doz.	100
Mammoth Bulbs	$0.50	$5.50	$40.00
Monster Bulbs	.70	7.00	50.00

SPECIOSUM MELPOMENE. White blooms, spotted with crimson

	Each	Doz.	100
Mammoth Bulbs	$0.50	$5.50	$40.00
Monster Bulbs	.70	7.00	50.00

SPECIOSUM RUBRUM. Rosy white, heavily spotted with rich crimson.

	Each	Doz.	100
Mammoth Bulbs	$0.50	$5.50	$40.00
Monster Bulbs	.70	7.00	50.00

SUPERBUM. Bright reddish orange flowers, conspicuously spotted. Twenty to thirty on a stem. Moist, semi-shaded location. July. 3 to 4 feet. 35 cts. each; $3.50 per doz.; $24 per 100.

TENUIFOLIUM. 1 to 12 nodding, rich scarlet flowers. Ideal for a shaded position in the rock-garden. Flowers in early June. 1 to 2 feet. 45 cts. each; $4.50 per doz.; $32.50 per 100.

TESTACEUM. This is one of the finest of all Lilies. The color is difficult to describe, being a shading of dull apricot with orange-yellow anthers. June, July. 5 feet. $2 each; $20 per doz.

TIGRINUM FLORE-PLENO (Double Tiger Lily). Double, showy flowers of orange-red, spotted with black. 30 cts. each; $3 per doz.; $22.50 per 100.

TIGRINUM SPLENDENS (Improved Tiger Lily). Bright orange-red, spotted with black; very showy. 4 to 5 feet. 25 cts. each; $2.75 per doz.; $20 per 100.

Lilium Auratum

Lilium Harrisii

LILIES FOR INDOOR GROWING

LILIUM HARRISI

(True Bermuda Easter Lily)

This Lily is undoubtedly one of the most popular flowers ever used for forcing, but it is scarcely hardy enough to do well outdoors. The bulbs we supply are of the highest quality and are perfectly true. Ready in August.

	Each	Doz.	100
Large Bulbs	$0.50	$5.00	$35.00
Mammoth Bulbs	.85	9.00	65.00
Monster Bulbs	1.50	15.00	

JAPANESE LILIES

We offer two varieties of Japanese Lilies which are largely grown for January to Easter flowering: *Lilium Longiflorum formosum*, which usually arrives in this country in September, and *L. longiflorum giganteum*, which usually arrives in October or November.

LONGIFLORUM FORMOSUM. Dark stems; blooms early. Often used instead of the Bermuda as an Easter Lily. Ready in September.

	Each	Doz.	100
Large Bulbs	$0.40	$4.00	$30.00
Extra-large Bulbs	.60	6.00	45.00
Mammoth Bulbs	1.00	10.00	75.00
Monster Bulbs	1.50	15.00	

LONGIFLORUM GIGANTEUM. Short-growing variety with dark stems; later than the preceding; flowers of more substance. Ready in October or November. Extra-large Bulbs, 60 cts. each; $6 per doz.; $45 per 100.

CHOICE GREENHOUSE FLOWER SEEDS

ANTIRRHINUM (Snapdragon) Giant-flowered Varieties

Flower-stems will grow to a height of 3 feet or more and flowers are unusually large. Valuable for cutting.

	Pkt.	Large pkt.
CARDINAL. Dazzling scarlet	$0.10	$0.30
CRIMSON KING. Rich crimson	.10	.30
GOLDEN KING. Golden yellow	.10	.30
VENUS. Flesh-pink	.10	.30
QUEEN VICTORIA. Pure white	.10	.30
ROSE KING. Deep rose self	.10	.30
MIXED	.10	.25

Collection: One pkt. each of the above 6 colors, 50 cts.

FELTHAM BEAUTY. Deep rose-pink, white centre; very large flower. Pkt. $0.25

SILVER PINK. Original pkt., $1.25.

HARMONY. Rich terra-cotta-pink, yellow centre. .25

PEACH BLOW. Large, delicate peach-colored flower with yellow tint. .25

PHILADELPHIA PINK. Rich, glowing pink, approaching that of the Ward carnation. A most useful color at all times. Beautiful under artificial light. Original pkt., $1.25.

Waterer's Superb Giants

This wonderful new group of Antirrhinums far surpasses anything yet introduced. In habit they are slightly taller than the Majus group. The flowers are of magnificent size, closely placed on the stems.

	Pkt.
APPLE BLOSSOM. Delicate pink	$0.25
CANARY BIRD. Delicate yellow	.25
COPPER KING. Bronzy copper	.25
OLD GOLD. Golden orange	.25
SNOWFLAKE. Lovely pure white	.25
THE ROSE. Rosy pink	.25

Collection: One pkt. each of above 6 varieties, $1.25

Half-dwarf Varieties

These grow about 20 inches in height and produce spikes of flowers of the largest size.

	Pkt.	Large pkt.
SILVER PINK. Soft pearly pink	$0.10	$0.30
DEFIANCE. Orange-scarlet	.10	.30
EMPRESS. Rich velvety crimson	.10	.30
GOLDEN QUEEN. Rich yellow	.10	.30
GLORIA. Rich deep rose-pink	.10	.30
PURITY. Pure white	.10	.30

Collection: One pkt. each of above 6 varieties, 50 cts.

	Pkt.	Large pkt.
NELROSE. Deep rose-pink. Beautiful as a cut-flower	$0.15	$0.40
PINK PERFECTION (New). Long perfect spikes of a beautiful shade of pink described as Hermosa pink, suffused salmon	.25	
THE FAWN. Rosy fawn color, with white tube and yellow lips; base beautifully blended—a fine bright, new shade	.15	.40
MIXED. All colors. ¼ oz., 35 cts	.10	

CINERARIA

Our strains of this showy greenhouse plant are of acknowledged superiority, the very choicest from a prize European collection containing only the best colors.

WATERER'S PRIZE DWARF. Dwarf, compact plants not over a foot high, with immense heads of large individual flowers in a great range of beautiful colors. A choice strain for exhibition. Pkt. $0.50

WATERER'S PRIZE TALL. Extra-fine colors, with plenty of selfs and various shades of rose. .50

MATCHLESS. Very fine strain; contains many new colors; vigorous and compact growth. .75

MATADOR. Fine glowing scarlet, with large, well-formed heads. .50

HYBRIDA GRANDIFLORA, STELLA. Twisted or fluted petals very much like a single cactus dahlia. .50

MULTIFLORA NANA. This new variety is the dwarfest and most compact type; flowers of good size and produced in great profusion. An excellent pot-plant. Mixed colors. .50

STELLATA, FELTHAM BEAUTY. A great improvement on the old variety. Beautiful mixture of many colors. .50

CALENDULA (Pot Marigold)

Valuable for pot culture, blooming in the winter and early spring. 1 foot high.

BALL'S ORANGE. A special forcing strain. Large, extra-double, bright orange flowers. Pkt., 25 cts.; large pkt., 60 cts.; oz., $1.50.

BALL'S GOLD. Uniformly double golden yellow flowers on long stems. Pkt., 25 cts.; large pkt., 60 cts.; oz., $1.50.

CAMPFIRE (Sensation). A distinct new type. It is a vigorous grower, with flowers borne on stout stems, and needs little disbudding. The flat blooms are, undoubtedly larger than those of any type previously introduced, and are a brilliant orange with a scarlet sheen, and full yellow centre. This type has been thoroughly tested under glass and has been accepted as the best orange forcing Calendula. Pkt., 35 cts.; large pkt., $1.

LEMON QUEEN. Lemon-yellow. Pkt., 10 cts.; large pkt., 20 cts.; oz., 40 cts.

METEOR. Yellow, striped orange. Pkt., 10 cts.; large pkt., 20 cts.; oz., 40 cts.

ORANGE KING. Dark orange-red. Pkt., 10 cts.; large pkt., 20 cts.; oz., 40 cts.

PRINCE OF ORANGE. Orange, slightly striped with yellow. Pkt., 10 cts.; large pkt., 20 cts. oz., 40 cts.

CLARKIA ELEGANS

Clarkias have become very popular of late and are grown extensively in the greenhouse during the winter. 2 to 2½ feet.

	Pkt.	Large pkt.
DOUBLE BRILLIANT. Rich crimson-scarlet	$0.10	$0.25
DOUBLE SALMON QUEEN. Salmon-pink	.10	.25
DOUBLE SCARLET QUEEN. Brilliant orange-scarlet	.10	.25
DOUBLE WHITE. Pure white	.10	.25

CYCLAMEN

GIGANTEUM (grandiflorum). The very choicest strain of this beautiful flower

	Pkt.	100 seeds
Blood-red	$0.50	$2.50
Bright Rose	.50	2.50
Salmon King. Salmon-pink. Very fine	.50	2.50
Vulcan. Deepest red	.50	2.50
White, with Dark Eye	.50	2.50
White Swan. Pure white	.50	2.50
Finest Mixed	.40	2.00
BUTTERFLY (Papilio or Victoria). Very large flowers with fringed and fluted petals	.50	
CHERRY RIPE. The brightest red Cyclamen in cultivation	.75	
FRAGRANCE. Rose; remarkably sweet-scented	.75	
MRS. BUCKSTON. A real salmon shade—a lovely tint	.75	
PINK PEARL. A lovely pale salmon	.75	

DRACÆNA

Ornamental greenhouse plants; fine for pots, vases, or beds; green leaves.

	Pkt.	¼ oz.
INDIVISA. Narrow leaves	$0.10	$0.25
AUSTRALIS. Broad leaves	.10	.30

GLOXINIA

HYBRIDA GRANDIFLORA. An unsurpassed strain, containing the spotted hybrids as well as the finest self-colored sorts. Pkt. .50

GREVILLEA (Silk Oak)

ROBUSTA. Really a greenhouse plant, but can be successfully grown as an annual. It is a neat little shrub, with delicate fernlike foliage. Very useful for table decoration and in foliage groups. Pkt. .10

NEMESIA

Free-blooming dwarf bushes for pot culture. Seed sown in the autumn makes beautiful pot-plants for early spring blooming.

	Pkt.
BLUE GEM. A beautiful bright blue	$0.15
STRUMOSA SUTTONI. Large flowers in many rich and rare colors	.15
DWARF COMPACT HYBRIDS. A great variety of new and improved colors; very free-flowering. 9 inches	.15

PRIMULA CHINENSIS (Chinese Primrose)

One of our finest free-flowering winter house plants. Our strains may be relied on as being of the finest procurable.

	Pkt.
ALBA MAGNIFICA. Pure white, with yellow eye. One of the finest	$0.50
CHISWICK RED. Rich deep rose	.50
CRIMSON KING. The deepest and richest crimson-scarlet color in Primulas	.50
DUCHESS. Pure white, with large bright carmine centre	.50
HOLBORNE BLUE. A beautiful shade	.50
EXCELSIOR MIXED. A magnificent strain of Giant Primula	.50
STELLATA. Large heads of star-shaped flowers of various colors	.50

PRIMULA OBCONICA

	Pkt.
GIGANTEA APPLE BLOSSOM. Soft pink	.25
GIGANTEA KERMESINA. Rich crimson	.25
GIGANTEA CÆRULEA. Blue	.25
GIGANTEA, SALMON QUEEN. Salmon-pink	.35

PRIMULA OBCONICA, continued

	Pkt.
GIGANTEA ROSEA. Pure rose color	$0.25
GIGANTEA, MIXED. All colors	.25
GRANDIFLORA ALBA. Pure white	.20
GRANDIFLORA KERMESINA. Bright crimson	.20
GRANDIFLORA ROSEA. Beautiful clear rose	.20
GRANDIFLORA, MIXED. All colors	.20

VARIOUS PRIMULAS

KEWENSIS. Flowers bright yellow and fragrant	.25
MALACOIDES. Light lilac; branching habit	.25
MALACOIDES ALBA. Pure white	.25
MALACOIDES, DOUBLE (New). Deep, rosy pink	.25
MALACOIDES FIMBRIATA (New). The flowers, of a lovely pink hue, are beautifully and delicately fringed	.25
MALACOIDES, PINK BEAUTY. A new and very remarkable variety, with large flowers of a beautiful rosy pink, almost shading to mauve	.25
MALACOIDES SUPERBA. Deep rosy pink	.25

SCHIZANTHUS (Butterfly Flower)

Free-flowering and very attractive annuals for the garden in summer or the greenhouse during winter.

	Pkt.
WISETONENSIS. The colors range from soft pink to dark brown	$0.20
WISETONENSIS, EXCELSIOR. This may be described as a much larger flowering strain of Wisetonensis	.25
DR. BADGER'S HYBRIDS. Very large flowers, giving a wide range of colors	.25

MAMMOTH-FLOWERING STOCKS

Particularly adapted for the greenhouse, to provide cut-flowers during the winter.

	Pkt.
ABUNDANCE. Carmine-rose.	
BEAUTY OF NICE. Delicate flesh-pink	$0. 20
BRIGHT VIOLET. Violet-blue	.20
CRIMSON KING. Brilliant crimson	.20
EMPRESS ELIZABETH. Bright carmine	.20
MONTE CARLO. Canary-yellow	.20
QUEEN ALEXANDRA. Soft rosy lilac	.20
DEEP LILAC	.20
WHITE LADY. Snow-white; very double	.20

SWEET PEAS (Early Long-flowering Spencer)

These varieties, if sown early in fall under glass, will bloom by Christmas and continue all winter.

Price, any of the following, pkt., 15 cts.; ½ oz., 50 cts.; oz., 75 cts.

BLUEBIRD. A splendid rich, deep blue.
BURPEE'S ORANGE. Deep orange.
CHRISTMAS CAROL. Salmon-cream-pink. Extra large flower.
COLUMBIA. Best pink and white bicolor.
GLITTERS. The standard is bright fiery orange, and the wings are deep orange.
HEATHER BELL. The color is a rich but pleasing mauve, but after standing in water becomes a beautiful mauve-lavender.
LAVENDER KING. Rich, true, deep lavender throughout.
MRS. KERR. A fine shade of salmon.
MRS. A. A. SKACH. Shell-pink; beautifully waved.
ROSE QUEEN. A beautiful shade of rose-pink.
SNOWSTORM. Pure white. The blossoms are very large and of the best waved Spencer form.
YARRAWA. Bright rose-pink; wings light pink; large and free bloomer.
ZVOLANEK'S ROSE. Bright rose-pink.

Scabiosa Caucasica

Achillea-The Pearl

Helenium Riverton Beauty

Physostegia Grandiflora

Campanula Persicifolia

THE HARDY HERBACEOUS OR PERENNIAL GARDEN

No garden, large or small, can possibly be complete without the use of the hardy perennial plants. They are the foundation of the whole flower garden scheme, the permanent things which give it stability and character.

Dying down to the ground with the passing of Fall, most of them are grateful for a little protection over the winter months, and with the advent of the first warm days of Spring, their green shoots appear and they are ready to again bring a wealth of color and beauty to our gardens.

Among the many varieties offered it is easy to pick an assortment of plants, that, selected for size, color and blooming period, will keep the hardy border a blaze of color from early Spring till latest Fall, requiring a minimum of care in keeping the weeds out and dead material removed from the plants.

SPECIAL OFFER

A collection of five summer blooming plants, affording a nice range of form and color, and blooming during the hot months when not so many flowers are available.

2 plants of each (10 in all), for. . . . $2.25

HARDY PERENNIAL PLANTS

ACHILLEA

PTARMICA, BOULE DE NEIGE. 1 to 1½ ft. If cut back hard after the first flowers are past, a second crop will be produced in early fall. Small double white flowers in sprays. June-September.

TOMENTOSA. 6 in. A dwarf rock-plant, bearing heads of bright yellow flowers. June.
25 cts. each; $2.50 per doz.; $15 per 100.

AGROSTEMMA

CORONARIA. 2 ft. Bright crimson flowers and gray foliage making a pleasing contrast. June, July. 25 cts. each; $2.50 per doz.; $15 per 100.

ALYSSUM

ARGENTEUM (Rock Plant). 1 ft. Large, flat heads of golden yellow flowers borne on wiry stems. May, June.

SAXATILE COMPACTUM (Rock Plant). 1 ft. A most popular spring-flowering plant. Masses of yellow flowers in April and May.
25 cts. each; $2.50 per doz.; $15 per 100.

ANCHUSA

ITALICA, DROPMORE. With large, gentian-blue flowers. 4 to 5 ft. If not allowed to go to seed will bloom continuously from June-September.

MYOSOTIDIFLORA. A distinct, dwarf perennial variety, with clusters of charming blue flowers resembling forget-me-nots. An effective rock plant for shady places. 1 foot. May-flowering.
25 cts. each; $2.50 per doz.; $15 per 100.

ANTHEMIS

TINCTORIA KELWAYI. 2 ft. Yellow Marguerite-like flowers in great profusion. June-September.
25 cts. each; $2.50 per doz.; $15 per 100..

AQUILEGIA (Columbine)

MRS. SCOTT ELLIOTT'S STRAIN. 2 to 3 ft. The best strain of Long-spurred Hybrids. The flowers are of rich and varied colors. May, June. 30 cts. each; $2.50 per doz.; $18 per 100.

ARABIS (Rockcress)

ALPINA. 9 in. A useful, early-flowering plant with pure white flowers, suitable for rock-garden, border, or for spring bedding. April, May. 25 cts. each; $2.50 per doz.; $15 per 100.

ALPINA fl.-pl. A double-flowered form of the above.
35 cts. each; $3.50 per doz.

ARMERIA (Thrift; Sea Pink)

CEPHALOTES (Giant Thrift). 1 ft. Strong tufts of foliage and heads of silvery pink flowers borne on stout stems. Very useful in the rockery as well as in the border. May-July. 25 cts. each; $2.50 per doz.; $15 per 100.

ARTEMISIA

LACTIFLORA. 5 to 6 ft. Fragrant spirea-like plumes of creamy white flowers are borne on stout erect stems from August to October. 25 cts. each; $2.50 per doz.; $15 per 100.

ASCLEPIAS (Butterfly Silk Weed)

TUBEROSA. 2½ ft. Bright orange-red flowers, borne in clusters on strong stems. July-September. 25 cts. each; $2.50 per doz.; $15 per 100.

ASTERS, HARDY
(Michaelmas Daisy; Starwort)

As a plant of general usefulness, the Aster stands unrivaled. Many varieties are excellent for cutting. The finest flowers and strongest spikes are obtained if the plants are divided annually.

BARR'S PINK. 4 ft. A new variety of strong, erect growth, bearing large, bright pink flowers. Described as the best pink Aster in cultivation. September, October. 50 cts. each; $5 per doz.

CLIMAX. 5 ft. Large, pale mauve flowers, with yellow centres, on long, slender stems. September, October.

LOUVAIN. 3 ft. Symmetrical bush-like habit. The foliage is completely hidden by masses of medium-sized delicate pink flowers. September.

PERRY'S WHITE. 4 ft. A very free-flowering variety. Flowers are large and of good substance. Excellent for cutting. September, October.

ST. EGWIN 2½ ft. This variety, during September is entirely covered with large, clear pink flowers. One of the best Asters in cultivation.
30 cts. each; $3 per doz.

ASTER, DWARF ALPINE

ALPINUS. 9 in. Large, bluish purple flowers. Fine rock-plant. June.

ALPINUS ALBUS. A white variety of above.
25 cts. each; $2.50 per doz.; $15 per 100.

AUBRIETIA (Rainbow Rock Cress)

Dwarf-growing plants suitable for the rockery. They form sheets of vari-colored flowers in spring and early summer. Choice mixed varieties. 30 cts. each; $3 per doz.; $18 per 100.

BOCCONIA

CORDATA. 6 to 8 ft. A tall-growing, stately plant with handsome, gray, glaucous foliage bearing panicles of creamy white flowers. July, August. 25 cts. each; $2.50 per doz.

BOLTONIA (False Chamomile)

A showy plant with large, single aster-like flowers; in bloom during the summer and autumn months, with thousands of flowers open at one time.

ASTEROIDES. White; very effective. 5 to 7 feet.

LATISQUAMA. Pink, slightly tinged with lavender. 4 to 6 feet.
25 cts. each; $2.50 per doz.; $15 per 100,

Anchusa Dropmore

Agrostemma Coronaria

CAMPANULA (Bellflower; Harebell)

One of the most beautiful families of hardy plants. Adapted for rock-garden, border and woodland.

CARPATICA. 1 ft. Suitable for rock-garden or border. Large, blue, cup-shaped flowers during July and August.

CARPATICA ALBA. The white variety.

MEDIUM (Canterbury Bells). Blue, pink, white, separate colors.

MEDIUM CALYCANTHEMA (Cup-and-Saucer). Mixed colors.

PERSICIFOLIA. 2½ ft. Slender, erect stems, studded with blue, cup-shaped flowers in June and July.

PERSICIFOLIA ALBA. The white variety.

25 cts. each; $2.50 per doz.; $15 per 100.

CENTAUREA

MACROCEPHALA. 4 to 5 ft. A stately plant of robust habit, bearing large, globular heads of golden yellow flowers. July, August.

MONTANA. 1½ ft. Woolly foliage and bright blue flowers. June, July.

MONTANA ALBA. The white variety.

25 cts. each; $2.50 per doz.; $15 per 100.

CERASTIUM

TOMENTOSUM. Forms a carpet of silvery foliage, covered in May and June with pure white flowers. 25 cts. each; $2.50 per doz.; $15 per 100.

HARDY CHRYSANTHEMUM

MAXIMUM (Shasta Daisy). 2 ft. The large, white, daisy-like blooms are produced over a long period. June-September. 25 cts. each; $2.50 per doz.

COREOPSIS

GRANDIFLORA. 2½ ft. One of the best plants for cutting. The bright yellow flowers are borne on long, graceful stems throughout the summer. 25 cts. each; $2.50 per doz.; $15 per 100.

DELPHINIUM (Hardy Larkspur)

The flower-spikes rise to a height of 4 to 5 feet with a wealth of azure-blue, gentian-blue and royal purple hues. They demand rich, deeply cultivated soil and considerable moisture. If flower-spikes are cut after blooming, others will replace them.

BELLADONNA. 2½ to 3 ft. An invaluable variety for cutting; sky-blue flowers in great profusion from June until frost.

DELPHINIUM, continued

BELLAMOSA. 3 to 4 ft. A true hybrid of Belladonna and Formosum, surpassing both parents. Color is dark blue. It is not subject to mildew.

FORMOSUM. 4 ft. A robust-growing Larkspur having dark blue flowers with white centres. June-September.

GRANDIFLORUM (Chinense). 1½ to 2 ft. Gentian-blue flowers and finely divided foliage. June-October.

GRANDIFLORUM ALBUM. The white variety.

MIXED HYBRIDS. This mixture will produce a large percentage of extremely good individuals. 35 cts. each; $3.50 per doz.; $20 per 100.

Any of the above Standard Delphiniums, except where noted, 25 cts. each; $2.50 per doz.; $15 per 100.

DIANTHUS (Pinks)

ALPINUS. A lovely dwarf alpine with large, deep pink flowers borne close down to the foliage, which they entirely hide. 50 cts. each; $5 per doz.

ARENARIUS. A desirable rock-plant. During May and June the foliage is entirely hidden by masses of fragrant, white flowers. 6 inches.

DELTOIDES (Maiden Pink). A trailing rock-plant; fine for border edging. June, July.

DELTOIDES ALBUS. The white variety.

DELTOIDES, BRILLIANT. Vivid crimson.

PLUMARIUS. 1 ft. A first-rate mixture, with beautifully frilled flowers. June, July.

25 cts. each; $2.50 per doz.; $15 per 100.

DIELYTRA (Dicentra)

SPECTABILIS (Bleeding-Heart; Seal Flower). Its long racemes of graceful, heart-shaped, pink flowers are always attractive. Used largely for forcing, and is perfectly at home in the hardy border; especially valuable for planting in the shade. May. Strong clumps, 50 cts. each; $5 per doz.

FORMOSA (Plumy Bleeding-Heart). A dwarfer species, about 15 inches high. April till August. 35 cts. each; $3.50 per doz.

DIGITALIS (Foxglove)

GLOXINIÆFLORA. Pink, Purple, White, separate. 25 cts. each; $2.50 per doz.

THE SHIRLEY. A strain raised by the originator of the well-known Shirley Poppies. The flowers are enormous and vary in color from pure white to deepest rose. 35 cts. each; $3.50 per doz.

ERYNGIUM (Sea Holly)

PLANUM. 2½ ft. Small blue flower-heads and steely blue stems. Good for drying. July, August. 25 cts. each; $2.50 per doz.; $15 per 100.

EUPATORIUM

CŒLESTINUM. 1½ to 2 ft. Very free-flowering and valuable for cutting. Masses of blue, ageratum-like flowers from August to October.

FRASERI. Feathery white flowers. July-September.

25 cts. each; $2.50 per doz.; $15 per 100.

EUPHORBIA (Spurge)

COROLLATA. 1½ to 2 ft. Its small, pure white flowers take the place of *Gyposphila paniculata* when that is past. Best results are obtained if it remains undisturbed for several years. August, September. 25 cts. each; $2.50 per doz.

GAILLARDIA

GRANDIFLORA. 2 ft. Ranges in color from old-gold to crimson. This plant furnishes a continuous supply of cut-flowers. June-October. 25 cts. each; $2.50 per doz.; $15 per 100.

GEUM

CHILOENSE, LADY STRATHEDEN. 2 ft. A new variety, similar to Mrs. Bradshaw. It bears large, old-gold, double flowers. May, June.

CHILOENSE, MRS. BRADSHAW. 2 ft. Slender, branching stems, bear large, rich scarlet, double flowers in great profusion. May, June.

30 cts. each; $3 per doz.; $18 per 100.

GYPSOPHILA

PANICULATA. 2½ ft. Cloud-like masses of small white flowers. Useful for cutting. July.

REPENS. Dwarf trailer, excellent for the rock-garden. Masses of small white flowers. June, July.

25 cts. each; $2.50 per doz.; $18 per 100.

HELENIUM

Strong-growing plants, valuable for woodland or herbaceous border. Useful as a cut flower.

AUTUMNALE, RIVERTON BEAUTY. 4 ft. Clear yellow flowers with black centres. August, September.

AUTUMNALE, RIVERTON GEM. 4 ft. Rich mahogany-red flowers. August, September.

AUTUMNALE SUPERBUM. 4 ft. Yellow. August, September.

30 cts. each; $3 per doz.; $20 per 100.

HELIANTHEMUM (Rock or Sun Rose)

Dwarf evergreen shrubs of spreading habit, delighting in full sun. Will thrive on a hot sunny bank where few other plants will exist. Massed on the rock-garden or front of herbaceous border, they are the most gorgeous sight in the garden during June.

MIXED VARIETIES. 35 cts. each; $3.50 per doz.

HELIOPSIS (Orange Sunflower)

PITCHERIANA. 3 ft. Golden yellow flowers all summer. Of dwarf habit, rarely exceeding 3 feet in height; very valuable for cutting. 25 cts. each; $2.50 per doz.; $15 per 100.

HOLLYHOCKS

These stately plants, from 6 to 8 feet high, are a necessary part of every old-fashioned garden.

DOUBLE. Mixed colors only.

SINGLE. Usually of freer growth than the doubles, and present a very handsome appearance when covered with their artistic blossoms. We can supply them in mixed colors only.

30 cts. each; $3 per doz.; $18 per 100.

HIBISCUS

MALLOW MARVEL. Pink, Red, White, Mixed. 30 cts. each; $3 per doz.; $18 per 100.

HYPERICUM

OLYMPICUM. 6 in. A rare rock-plant with gray foliage and very large, yellow flowers. June, July. 50 cts. each; $5 per doz.

IBERIS, HARDY (Candytuft)

SEMPERVIRENS. 9 in. An invaluable spring-flowering plant of dwarf habit. Masses of snow-white flowers in large trusses. April, May. 25 cts. each; $2.50 per doz.; $15 per 100.

INCARVILLEA

DELAVAYI. 1½ ft. Large, rich rose, begonia-like flowers with deep yellow throats, produced all through the summer. Succeeds well in borders and is equally valuable for greenhouse decoration. 50 cts. each; $5 per doz.

IRIS

CRISTATA. 4 in. A dwarf fairy-like plant with soft blue, orange-striped flowers. Easily grown in a rather moist, partially shaded position. May.

PUMILA CYANEA. 9 in. Violet-purple. May.

PUMILA, THE BRIDE. 9 in. Pure white. May.

30 cts. each; $3 per doz.

FINE IRIS GERMANICA

A very delightful garden can be made with them. Especially adapted for flower borders, shrubberies, woodland walks, and for surroundinglakes and ponds.

S. means standards or upper petals; F. means falls or lower petals

AUREA. S. and F. chrome-yellow. 35 cts. each; $3.50 per doz.

FLORENTINA. S. and F. white, faintly flushed with lavender. 25 cts. each; $2.50 per doz.

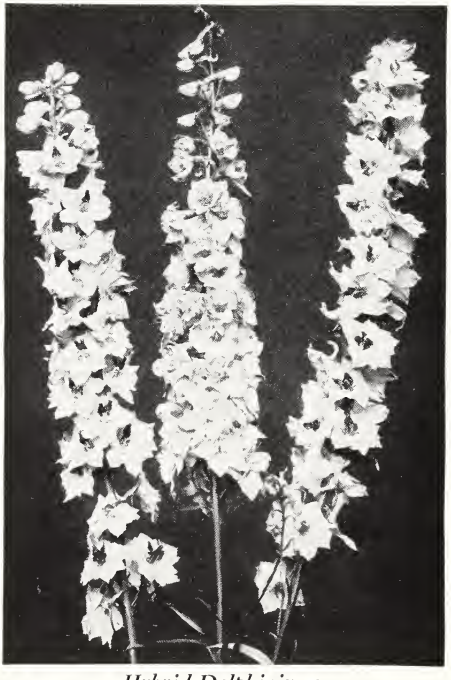
HER MAJESTY. S. rose-pink; F. bright crimson. 35 cts. each; $3.50 per doz.

LOHENGRIN. S. and F. cattleya-pink; very large flowers. 35 cts. each; $3.50 per doz.

LORELEY. S. light yellow; F. ultramarine-blue, bordered cream. 35 cts. each; $3.50 per doz.

KOCHI. S. and F. rich purple. 35 cts. each; $3.50 per doz.

MME. CHEREAU. S. and F. white, fringed with azure-blue. 25 cts. each; $2.50 per doz.



Hybrid Delphiniums

Iris Germanica, continued

PALLIDA DALMATICA. S. pale lavender; F. deep lavender. Large flowers on 3-ft. stems. 35 cts. each; $3.50 per doz.

PRINCESS VICTORIA LOUISE. S. primrose-yellow; F. reddish purple with a narrow primrose margin. 35 cts. each; $3.50 per doz.

RHEIN NIXE. S. white; F. rich violet-blue. 35 cts. each; $3.50 per doz.

IRIS, JAPANESE

KAEMPFERI. The most showy and gorgeous of the Iris family. The stately flowers are often 10 inches in diameter, and are produced freely in July. They require rich, moist soil.

MIXED VARIETIES. 25 cts. each; $2.50 per doz.; $18 per 100.

LINUM (Flax)

PERENNE. 2 ft. A continuous succession of clouds of sapphire-blue flowers throughout summer.

PERENNE ALBUM. A white variety of the above. 25 cts. each; $2.50 per doz.; $15 per 100.

LUPINUS (Lupine)

POLYPHYLLUS. 3 to 4 ft. Strong spikes of deep blue, pea-shaped flowers. June, July.

POLYPHYLLUS ALBUS. The white variety.

POLYPHYLLUS ROSEUS. Pink form of the above. 35 cts. each; $3.50 per doz.

LYCHNIS

ALPINA. 6 in. Compact cushions of rich green leaves, studded in April and May with pink flowers. 25 cts. each; $2.50 per doz.; $15 per 100.

ŒNOTHERA

MISSOURIENSIS. A fine trailing plant with large, pale yellow flowers, 5 to 6 inches in diameter. For rock-garden or border. June-August. 30 cts. each; $3 per doz.; $18 per 100.

Oenothera Missouriensis

PAPAVER (Poppy)

NUDICAULE (Iceland Poppy). 1 ft. Yellow, orange and white flowers. May-August. 25 cts. each; $2.50 per doz.

ORIENTALE, GERALD PERRY. 2½ ft. Pale pink. 50 cts. each; $5 per doz.; $30 per 100.

ORIENTALE, LORD LAMBOURNE. 3 ft. Large, orange-scarlet flowers with deeply frilled petals. 60 cts. each; $6 per doz.; $35 per 100.

ORIENTALE, MAHONY. 3 ft. A very distinct variety, having deep mahogany-colored flowers. 60 cts. each; $6 per doz.; $35 per 100.

ORIENTALE, MRS. PERRY. 2½ ft. Medium-sized flowers of a pleasing shade of apricot-pink. 35 cts. each; $3.50 per doz.; $25 per 100.

ORIENTALE, ORIENTAL RED. 3 ft. Splendid large, cup-shaped blooms of bright crimson-scarlet. 35 cts. each; $3.50 per doz.; $25 per 100.

ORIENTALE, PRINCESS ENA. 2½ ft. Small tulip-shaped flowers, orange-salmon in color. 50 cts. each; $5 per doz.; $30 per 100.

ORIENTALE, ROYAL SCARLET. 3 ft. Tremendous cup-shaped blooms of brightest crimson-scarlet, with purplish blotches at base of petals. 60 cts. each; $6 per doz.; $35 per 100.

PENTSTEMON

BARBATUS TORREYI. 4 ft. Graceful, tapering stems. Large, tubular, scarlet flowers. June-August.

DIGITALIS. 2 to 3 ft. White, tubular flowers with purple throat. Good for cutting. June, July. 25 cts. each; $2.50 per doz.; $18 per 100.

PEONIES

Peonies are delightful companions for irises; their dense foliage makes a charming background and their abundance of gorgeous and gay-colored flowers blend so beautifully with the colors in the irises that each enhances the beauty of the other.

ALBERT CROUSSE (Crousse, 1893). Bomb type. Large, well-formed flowers of soft shell-pink with faint salmon tints. Late. 75 cts. each.

COURONNE D'OR (Calot, 1873). Semi-rose type. White with a ring of yellow stamens around a tuft of centre petals tipped carmine. 75 cts. each.

EDULIS SUPERBA (Lemon, 1824). Crown type. Beautiful bright clear mauve-pink with silvery reflex. Decoration Day Peony. Very early. 75 cts. each.

FELIX CROUSSE (Crousse, 1881). Rose type. Rich, dazzling ruby-red without a tinge of purple. None better. Late midseason. 75 cts. each.

FESTIVA MAXIMA (Miellez, 1851). Rose type. The finest white with clear carmine spot on edge of centre petal. Early. 50 cts. each.

GERMAINE BIGOT (Dessert, 1902). Crown type. Lilac-rose, centre prominently flecked crimson. Very free blooming. Midseason. $1.25 each.

LA TENDRESSE (Crousse, 1896). Rose type. Milk-white, sometimes splashed with carmine. Tall, strong grower; free bloomer; fragrant. Midseason. 75 cts. each.

MME. EMILE LEMOINE (Lemoine, 1899). Semi-rose type. White, overlaid with satiny pink covered with minute lilac dots. $1 each.

MME. JULES DESSERT (Dessert, 1909). Rose type. Creamy white overlaid with a pronounced pink, centre intermixed with golden stamens. Very large, with broad petals. $5 each.

MARQUIS C. LAGERGREN (Dessert, 1911). Semi-rose type. Large; bright velvety crimson. One of the finest reds ever produced. $2 each.

PEONIES, continued

REINE HORTENSE (President Taft). (Calot, 1857). Rose type. Compact flat flower of soft flesh color, deepening to shell-pink; centre showing crimson splashes. Fragrant. Usually in bloom just about Decoration Day. $1.25 each.

SARAH BERNHARDT (Lemoine, 1906). Semi-rose type. Very large flower of perfect form, full and double, with twisted imbricated petals. Color apple-blossom-pink with each petal silver-tipped. Late midseason. $1.50 each.

SOLANGE (Lemoine, 1907). Rose type. A very large, full, flower of indescribable beauty. Color rare, deep orange-salmon at the heart, overlaid with delicate tender reddish brown—a most unique color combination. Midseason. $6 each.

SUZETTE (Dessert, 1911). Semi-rose type. Bengal-rose, lightly shaded carmine-purple, with silvery reflex. Rare. Midseason. $1 each.

SINGLE PEONY

MISTRAL (Dessert, 1902). Carmine, yellow centre. 75 cts. each.

JAPANESE VARIETY

RUIGEGNO. Dark velvety maroon, with brilliant yellow petaloids. Very striking and unusually large. $5 each.

PHYSALIS

FRANCHETI. (Winter Cherry). 2 ft. Bright orange bladder-like calyces enclosing a cherry-like fruit. Valuable for drying for winter decoration. October. 25 cts. each; $2.50 per doz.; $18 per 100.

PHYSOSTEGIA

VIRGINICA. 3 ft. Long, slender spikes, closely covered with pinkish mauve, tubular flowers. July, August.

VIRGINICA ALBA. White form of above.

VIRGINICA GRANDIFLORA. A tall growing form of a good deep shade of mauve-pink. It is a splendid cut flower and a great improvement over the ordinary pink variety. Height, 4 to 5 ft. July-September.

25 cts. each; $2.50 per doz.; $15 per 100.

PHLOX

One of the most important families of hardy perennials and should be in every collection.

ALBION. 2½ ft. White with faint red eye.

ANTONIN MERCIER. 2 ft. Soft lilac-blue, with white centre.

BACCHANTE. 2 ft. Fiery pink with crimson eye.

BARON VAN DEDEM. 2 ft. Glowing crimson.

GEFION. 2 ft. Soft pink with bright rose eye.

LA VAGUE. 2 ft. Rosy pink.

MRS. JENKINS. 2½ ft. White; large trusses.

ROSENBERG. 2 ft. Carmine-violet with reddish eye.

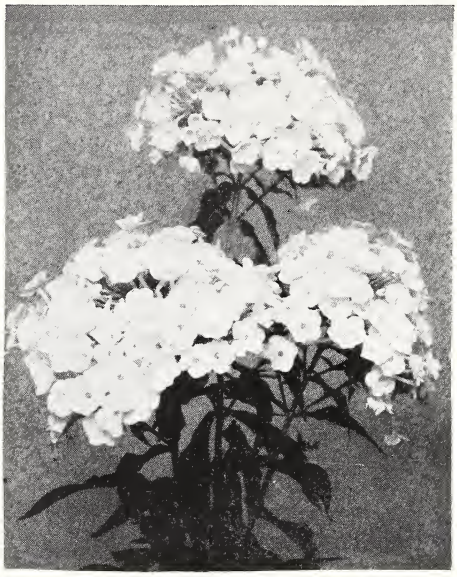
RIJNSTROOM. 2½ ft. Rose-pink; very large individual flowers.

R. P. STRUTHERS. 2 ft. Bright rosy red with crimson eye.

THOR. 2 ft. Large trusses of bright pink flowers.

SUFFRUTICOSA, MISS LINGARD. 2½ ft. Good for cutting; pyramidal trusses of white flowers with faint lilac eyes. June-September.

25 cts. each; $2.50 per doz.; $15 per 100.



Hardy Phlox

DWARF VARIETIES

AMŒNA. Compact tufts of glossy green foliage and masses of vivid pink flowers in April and May.

DIVARICATA. 9 in. Trusses of large, fragrant, lavender flowers. May.

SUBULATA ALBA (Moss Pink). 6 in. Moss-like foliage sheets of white flowers. April and May.

SUBULATA, G. F. WILSON. Mats of glossy foliage completely hidden by sheets of starry, lavender flowers in April and May.

SUBULATA LILACINA. A lilac variety.

SUBULATA ROSEA. A pink variety.
25 cts. each; $2.50 per doz.; $18 per 100.

SUBULATA, VIVID. It is a neat, compact grower, and when in bloom, nothing can be seen but a sheet of warm salmon-rose flowers. 50 cts. each; $5 per doz.; $30 per 100.

POLEMONIUM

RICHARDSONI (P. bumile). 1½ ft. Neat tufts of vivid green foliage and erect spikes of pale blue flowers. May. 30 cts. each; $3 per doz.; $18 per 100.

PINK, HARDY

A highly popular group of old-fashioned garden plants, esteemed for their extreme floriferousness and delicious fragrance. They grow 12 to 15 inches high and bloom in May and June.

EXCELSIOR. Delicate rose-pink.

HER MAJESTY. Pure white; large flowers.

HOMER. Deep rose with darker centre.

JULIETTE. White, laced crimson.

LORD LYON. Deep rose.

WHITE RESERVE. Pure white.
25 cts. each; $2.50 per doz.; $15 per 100.

PLATYCODON (Balloon Flower)

GRANDIFLORUM. 2 ft. Blue, bell-shaped flowers, borne on slender stems. June-October.

GRANDIFLORUM ALBUM. The white variety.
25 cts. each; $2.50 per doz.; $15 per 100.

PLUMBAGO

LARPENTÆ (Leadwort). 1 ft. Forms compact tufts of wiry stems, each one terminating in a dense truss of cobalt-blue flowers. August-October. 30 cts. each; $3 per doz.; $18 per 100.

PYRETHRUM

ROSEUM. 2 ft. Daisy-like flowers varying in color from white to crimson. Useful for cutting. June. 25 cts. each; $2.50 per doz.; $15 per 100.

RUDBECKIA

GOLDEN GLOW. 6 ft. Double, deep yellow flowers. July-September. 25 cts. each; $2.50 per doz.; $15 per 100.

SALVIA (Meadow Sage)

AZUREA GRANDIFLORA. 4 to 5 ft. Tall, straight stems, covered for half their length with sky-blue flowers. August-October.

VIRGATA. 2 ft. Branching spikes of violet-blue flowers in a continuous succession from June until frost. Should be freely used in all herbaceous plantings.

30 cts. each; $3 per doz.; $18 per 100.

SCABIOSA

Handsome border plants, succeeding in any ordinary well-drained soil in a sunny location, and should be grown in every garden. They last a long time when picked and placed in water.

CAUCASICA. 2½ ft. One of the finest hardy plants, bearing throughout summer a succession of large, soft lilac flowers on long stems.

CAUCASICA ALBA. A white variety of the above.

30 cts. each; $3 per doz.; $18 per 100.

SEDUM (Stonecrop)

Dwarf Sorts

Suitable for the rockery, carpet-bedding, covering of graves, etc.

ACRE. Quickly forms a carpet of vivid green, moss-like foliage, hidden by yellow flowers in May.

ALBUM. 6 in. Small, succulent leaves which turn reddish bronze in fall. Trusses of white flowers in June and July. An excellent edging plant.

HISPANICUM. 3 in. A minute plant. Spreading tufts of gray foliage becoming bronze in fall.

SPECTABILE. 1½ ft. Erect, with broad, glaucous leaves. The flowers, borne in large, flat heads, are rosy purple in color, and retain their beauty for two months. August, September.

SPECTABILE BRILLIANT. A deeper-colored variety than the preceding, being a vivid amaranth-red.

25 cts. each; $2.50 per doz.; $18 per 100.

STOKESIA

CYANEA. 1½ ft. A showy plant with large blue flowers on somewhat straggling stems. August-October.

CYANEA ALBA. A white form of the preceding.

25 cts. each; $2.50 per doz.; $15 per 100.

SWEET WILLIAM (Dianthus barbatus)

A well-known, free-flowering hardy perennial, bearing heads of fragrant, richly colored flowers.

PINK BEAUTY (Newport Pink). A beautiful salmon-pink; very large heads on long stems.

Tritoma

SCARLET BEAUTY. Large heads of an intense scarlet color; very striking.

HOLBORN GLORY. Giant-flowering varieties in finest assortment of colors.

SINGLE WHITE.

25 cts. each; $2.50 per doz.; $15 per 100.

TRITOMA

PFITZERI (Torch Lily). 2 to 3 ft. A very distinct and handsome late-flowering perennial with tufts of grass-like foliage and thick fleshy stems covered with orange-scarlet, tubular flowers. September, October. 50 cts. each; $5 per doz.

VERONICA

INCANA. 1 ft. Compact masses of silvery gray foliage and deep blue flowers. May, June.

REPENS. 3 in. Carpet of evergreen foliage entirely covered in spring with very pale blue flowers.

RUPESTRIS. 6 in. A trailer forming a thick green carpet which is almost hidden in May and June by myriads of deep blue flowers.

SPICATA. 2 ft. Spikes of blue flowers. June-August.

25 cts. each; $2.50 per doz.; $15 per 100.

VIOLA

PEDATA (Birds-foot Violet). 6 in. Tufts of fine leaves and lilac-blue flowers. April, May. 25 cts. each; $2.50 per doz.; $15 per 100.

JERSEY GEM. One of the best hardy plants of recent introduction, and one that cannot be too highly praised. It possesses every good quality that a plant should have, and, as far as we know no bad ones. Blooms freely and continuously from spring until frost, and the flowers, royal purple in color, are not affected by the sun. Its foliage is a rich, healthy green, and its habit of growth is neat and compact. In the garden it can be used for edging or massing in beds. 30 cts. each; $3 per doz.; $18 per 100.

HIGH GRADE TOOLS AND SUPPLIES FOR GARDEN AND GREENHOUSE

PRICES SUBJECT TO CHANGE WITHOUT NOTICE

For Complete List see our 1929 Spring Catalogue

APRONS, RUBBER. To protect the clothing when watering or doing any garden or greenhouse work. Extra-heavy quality, $2.

BASKETS, SPLIT or CHIP, with handles. ¼-bus., $1.60 per doz.; ½-bus., $1.75 per doz.; ¾-bus., $2.75 per doz.; 1-bus., $3.25 per doz.

BASKETS, RUBBISH. Strong, well-made, with rope handles. 3-bus., $4.50 each.

BIRD-HOUSES. These are made of the very best obtainable New Jersey swamp cedar, a material which is widely known for its lasting qualities. 85 cts. to $2.75.

BOXES, CARDBOARD, FLOWER.

Size, inches	Doz.	100
16 x 4 x 3	$0.80	$4.80
18 x 7½ x 3½	1.15	7.20
21 x 8 x 4	1.40	8.70
24 x 5 x 3½	1.10	7.05
24 x 8 x 4	1.55	9.45
23 x 12 x 5	3.00	
28 x 8 x 5	2.40	
30 x 9 x 4	2.50	
30 x 9 x 6	3.10	
36 x 6 x 5	2.80	
36 x 8 x 5	3.00	
36 x 12 x 6	4.30	

BROOMS, STABLE or ROAD. Rattan or cocoa, $1.50 each.

BROOMS, UPRIGHT. Corn, $1 each; corn and rattan, $1.20 each.

CARNATION BANDS, RUBBER. Oz., 30 cts.; ¼ lb., $1.

DIBBLES. Just the tool for transplanting your small plants.

Brass Point. Wood handle; does not rust. $1 each.

All Iron. Made hollow and light, 75 cts. each.

FLOWER-HOLDER. This Flower-holder allows for arrangement of flowers and foliage to the very best advantage, as the stems can be placed and held at any angle. It is made of metal which will not rust or corrode, and will not mar or scratch the finest bowl. Its design and weight will prevent it from upsetting. Green, silver, gold or bronze finish.

	Each
1. 5¼-inch diameter, ¾-inch mesh	$1.50
2. 4 -inch diameter, ½-inch mesh	1.25
3. 3¼-inch diameter, ½-inch mesh	1.00
4. 2¼-inch diameter, ½-inch mesh	.75

FRUIT PICKERS Made of steel wire, heavily galvanized. Can be attached to any pole. 50 cts. each.

FUMIGATING LAMP. Used for vaporizing of nicotine preparations. All metal. Practical and indestructible. Burns kerosene. 85 cts. each.

FORKS, HAND WEEDING. Has three steel prongs. Fine for transplanting or loosening the soil, etc. 50 cts. each.

American Garden. 4-prong; fine quality steel; 12-in. handle. 65 cts. each.

Short Handle. 4-prong; finest malleable steel. 75 cts. each.

Manure. 4-tine; D handle, $2.25; long handle, $1.75.

FORK, SPADING. Best grade; tines spear-pointed; handle strapped both sides. Of superior quality; very strongly made. 4-tine, D handle, $2.25; 5-tine, D handle, $2.75.

GLASS CUTTERS. Steel wheel, 25 cts. Six wheels, 65 cts.

GLAZING POINTS, PEERLESS. Made in three sizes: No. 1, for small single thickness glass; No. 2, for medium double thickness glass; No. 2½, for large double thickness glass. 65 cts. per 1,000, postpaid, 75 cts.

GLOVES. Heavy, to protect against briars, etc.

Horse-hide Gauntlets. $2 per pair.

Wristband. $1.75 per pair.

HOSE, RUBBER, ELECTRIC. Three-ply, non-kinkable, moulded Hose. The strength and durability of this Hose places it as the most popular on the market. ¾-in., 24 cts. per ft.

Flexo. A good-quality Hose, moderately priced; very serviceable. ¾-in., 22 cts. per ft.

Tryme. Surpasses all other grades of Hose at this price. ¾-in., 18 cts. per ft.

Spray. ⅜-in., 15 cts. per ft.

No charge for couplings on length 25 ft. or longer; shorter than 25 ft., 30 cts. per set.

HOTBED MATS. For protecting hotbeds and cold frames. 1-sash, burlap, 40 x 76 in., $2.75; 2-sash, 76 x 76 in., $5.

STRAW MATS. 1-sash, $2; 2-sash, $3.50.

HOTBED SASH. Made of selected cypress. 3 ft., 1½ in. wide, 6 ft. long.

Plain, not glazed or painted. $4.25 each.

Glazed, painted, puttied glass. $8 each.

Packing charges on glazed sash, 50 cts. each.

HYACINTH GLASSES. In four shades—Crystal, Blue, Green, and Amber. *Cannot be sent by mail.* 35 cts. each; $3.50 per doz.

KNIVES, BUDDING. $1.75 and $2.75.

KNIVES, PRUNING. $1.50

PAINTED POT LABELS.

Sizes	By P.P. 100	per 100	1000
4 -inch	$0.35	$0.40	$2.25
4½-inch	.40	.45	2.75
5 -inch	.45	.50	3.00
6 -inch	.55	.60	3.50
8 -inch	1.60	1.70	9.00
10 -inch	1.75	1.90	11.00
12 -inch	2.25	2.50	14.00

TREE LABELS, COPPER-WIRED, PAINTED. 50 cts. per 100; $3.25 per 1,000.

SIMPLEX WEATHERPROOF. Writing is protected by a transparent cover and will last for years if done with lead pencil. However, the pencil markings may be instantly removed with an ordinary eraser, and the label used again. Prices, including copper wires for attaching:

Sizes	Doz.	100
No. 1. 3 x ½-inch	$0.50	$2.50
No. 2. 4 x ¾-inch	.85	5.00
No. 3. 5 x 1-inch	1.10	7.50

PENNSYLVANIA LAWN-CLEANER

This hand machine will remove from the lawn not only the cut grass, but all sorts of leaves and litter, leaving the grass standing upright. It is easy to operate, and, with it, one man will do more and better work than four men with hand rakes. 24-inch rake, $30; 36-inch rake, $42.50.

SWEEPING BRUSHES for the above, $9 per set of 3, when purchased separately.

HIGH GRADE TOOLS AND GREENHOUSE SUPPLIES, continued

WHEELBARROW LEAF-RACK

This can be attached to any size wheelbarrow with removable sides. It is most convenient for gathering leaves, cut grass and rubbish. Has a capacity of 10 bushels; made of galvanized wire, bolted to a wooden base. It can readily be taken apart, occupying but little space when not in use. Price, not including wheelbarrow, $8.

LEAF-RACK and TRUCK. Excellent for gathering leaves, litter, grass, etc. Rack can be attached to a water-barrel truck.
Leaf-rack only, no truck $12 each.
Leaf-rack and **Truck,** with 3½-inch tires (steel wheels), $29 each.

MASTICA. For glazing greenhouses. One gallon will cover about 300 running feet. $2.50 per gal.

MASTICA MACHINE. For distributing Mastica, etc. Heavy zinc. $3 each.

MOLE TRAPS, REDDICK. $1.25 each.

SCHROETER. It has a rest on the top for a weight, also eight sharp prongs and a strong spiral spring. $2.50 each.

PAPER, CELERY. Rolls of 500 sq. ft., $2.25 per roll.
Manilla. For wrapping. 24 x 36 in., ½ ream, $2.25; ream, $4.
Manilla Tissue. ½ ream, $1.15; ream, $2.
White Wax. 24 x 36 in., ½ ream, $1.75; ream, $3.25.
Green Wax. 24 x 36 in., ½ ream, $2; ream, $3.50.

PEBBLES. Carefully screened and selected. Qt., 10 cts.; pk., 75 cts.; bus., $2.50.

PLANT STANDS, COLLAPSIBLE. Substantial, well-made Stands. 2-shelf, $5; 3-shelf, $6.

POT BRACKETS, IRON. For one pot, 45 cts.; 2-arms, 60 cts.; single-arm, two pots, 75 cts.
Steel, for 5-inch pots, 60 cts.; 6-inch pots, 70 cts.; 7-inch pots, 80 cts.

RAFFIA. Tough and very pliable grass for tying plants. Natural color, 40 cts. per lb.; dyed green, $1 per lb.

ROLLERS, WATER BALLAST. Fill with water which will weight it up to any number of pounds desired, as shown below. Equipped with feature for balancing handles, which always keeps the handle in position ready for use; ball axle bearings.

No.	Sections	Diam. in.	Length in.	Weight empty	Weight with water	Price
601	1	14	21	70	175	$17
602	1	18	24	85	265	20
603	1	24	24	110	420	23
604	1	24	32	130	565	26

RUBBISH BURNERS for leaves, paper and rubbish. The best receptacle used for burning leaves, papers and all kinds of rubbish. This handy Burner is a safeguard against many fires that have their origin in the burning of rubbish in the open. The Burner is extra strong, manufactured of galvanized steel wire, reinforced with heavy wire supports. Made to give life-long satisfaction. We supply this Burner in two sizes. No. 1, $6; No. 2, $5.50.

SAWS, PRUNING, SINGLE EDGE. Best spring-steel. 16-in., $1.60; 18-in., $1.70; 20-in., $1.80.
Double Edge, 18-in., $1.75; 20-in., $1.90.
Disston Carpenter, 26-in., $3.50; 28-in., $4.
Buck or Wood, $1.50.
One-man Crosscut, 3½-ft. blade, $3.75.
Two-man Crosscut, 5-ft. blade, $5.75.

SCISSORS. For flower gathering. Finest quality imported. Cuts and holds the flowers. $2.50 each.
Grape. For thinning out bunches of grapes. $1.50 each.

SHEARS

HEDGE, FINEST ENGLISH STEEL. Solid steel blade, crucible tool-steel, tempered to hold an edge. Give good service. Shears with notch are the best for cutting heavy stems of hedge plants. With notch, 8-in. blade, $3.25; 9-in. blade, $3.50; 10-in. blade, $4.25.
American. 8-in., $2.50; 9-in., $2.75; 10-in., $3.
Ladies. 6-in., $1.75.
Yeakle. These Shears will not push the hedge forward but will hold it and cut it at once. They also have a tension spring to keep the blades together, consequently need little or no attention, as the spring has a tendency to keep them sharp. $6 each.

ENGLISH LOPPING SHEAR. Forged from the best quality steel. The jaws of this pruner open very wide without spreading the handles too far apart, slip onto limbs easily, and work into narrow places. 3½-in. jaw, $6; 4-in. jaw, $6.75.

LOPPING SHEARS. Draw cut. Solid steel blade and hook. Hand forged; 4-inch pressed steel ferrules and caps. 22-in., $3.75; 24-in., $4.

FRENCH HAND-PRUNING. Made of good quality tool-steel; flat roller spring; works easily and cuts well; detachable blades; plain finish. Made in two sizes. 7-in., $2.25; 8-in., $2.50.

HAND-PRUNING, Wiss. Finest quality crucible tool steel; tempered to hold an edge; will not break. 10-in., $4; 9-in., $3.50.
Wiss No. 309. 9-in., $2.50 each.
Wiss No. 209. 9-in., $1.50 each.

LADIES' LIGHTWEIGHT PRUNING SHEARS. Good quality steel. 6-in., $1 each.

LADIES' NICKEL-PLATED. Light, practical, handy to use on roses and shrubbery. 6-in., $1.75 each.

SHEARS, CALIFORNIA. Crucible tool-steel blade; malleable handle; Japan finish. A very good Shear for grape-vines and shrubbery. $1 each.

RHODES' DOUBLE-CUT PRUNER

A good and powerful Pruner. Cuts from both sides of the limb, and does not bruise the bark. Long ferrules; handles do not pull out; blades are of the best forged steel. 28-in., $5 each.

WATERER'S BANNER COMPRESSED AIR SPRAYER

Both the brass and galvanized Sprayers are equipped with a seamless brass pump, 2 inches in diameter, with cast-brass pumphead carefully machined, will never rust or corrode—it makes a nice fit. The pump-cylinder is held fast to pump-head and does not come apart each time the pump is removed from tank.

The shoulderstrap has snap ends for quickly removing, and is adjustable for a short or tall person.

The Automatic Nozzle is made of cast brass, carefully machined; and works automatically—wastes no liquids, is oil and chemical-resisting, and non-clogging. Throws a large, broad, fine mist, or long-distance spray as desired.

The tank is made of heavy solid brass, highly polished, or of heavy galvanized steel, double seamed and well riveted, to stand a heavy pressure.

Tank—Capacity, 4 gallons.

Hose, 2-ft. of ½-inch best grade, with coil spring to prevent breaking when not in use, and in addition a brass rod 2 foot long with angle neck to allow easy spraying underneath leaves.

Nozzle, automatic, non-clog.

HIGH GRADE TOOLS AND GREENHOUSE SUPPLIES, continued

BANNER SPRAYER, continued

Brass Tank.....$9.00
Galvanized Tank.....6.00

EXTENSION PIPES. Brass, 2-foot lengths for spraying tall shrubs and trees. 60 cts.

COPPER STRAINER. For straining lumpy liquids. $1.50.

BRASS SYRINGES. A101.....$3.75
A103.....6.00
A110.....10.50

SPRINKLER, RUBBER. 8-oz., $1.15; 10-oz., $1.50.

THERMOMETERS

No. 5420. Black, japanned heavy tin case. For greenhouses. Black, oxidized brass scale, white figures. (Spirit.) 8-in., $1.15; 10-in., $1.35.

No. 5400. Copper case. 10-in., $2.90.

No. 5981, Hotbed. Wood frame, 16 inches, with point. Brass oxidized scale, white figures and graduations. Best grade, $2.75.

No. 5120. Distance reading. Wood-back, mission finish, brass scale, white figures and graduations. (Spirit.) 8-in., $1.75.

No. 5452, Self-registering. Copper case, black brass scale, white figures. **Maximum** and **Minimum.** $6.25 each with Magnet.

No. 5140. Black scale with white figures and graduations. Wood backs. 8-in., 75 cts.

TROWELS

THE KINGSBURY. All one piece of solid steel. 50 cts. each.

JOHNSON STEEL. These have one-piece steel blade and shank, equal to the imported.
5-inch.....$0.70 | 7-inch.....$0.80
6-inch.....75 |

STEEL-SHANK. Somewhat long in blade and handle, making a very practical tool. 6-inch blade, 85 cts. each.

AMERICAN GARDEN. Light weight; very serviceable. 6-inch, 30 cts. each.

TRANSPLANTING. Narrow steel blade; excellent for setting bulbs, transplanting, or weeding. 7-inch, 35 cts. each.

TRANSPLANTING. Very handy for transplanting cabbage, tomatoes, etc. Solid steel shank and blade. 75 cts. each.

TWINE, JUTE. For tying plants and vines; soft and very strong. 2 and 3-ply, ball, 25 cts.; lb., 40 cts.

SEA ISLAND COTTON. Green. Ball, 15 cts.; lb., 85 cts.

GREEN SILKALINE. Very largely used for tying plants and stringing smilax, asparagus, etc. Spool, 35 cts.

TAR TWINE. Ball, 35 cts.

WHITE COTTON. Medium, ball, 40 cts.; lb., 80 cts. Heavy, ball, 40 cts.; lb., 80 cts.

CEDAR TUBS

Equipped with Strong Iron Drop Handles and Feet. These are made by hand, of the very best white cedar, painted green, bound with black iron hoops.

	Inside diam.	Each
No. 0	24¾ in.	$11.50
No. 1	23⅜ in.	10.50
No. 2	21⅜ in.	9.50
No. 3	18 11/16 in.	7.50
No. 4	16½ in.	6.50
No. 5	14 7/16 in.	5.75
No. 6	12 7/16 in.	5.00
No. 7	11¾ in.	4.25
No. 8	10 13/16 in.	3.75

KEYSTONE PLANT TUBS

Made of white cedar, painted green, and bound with strong electric welded wire hoops which do not rust. Handles are sold separately at 30 cts. per pair, not attached to tub.

	Inside diam.	Depth	Each
No. 5	10 in.	9 in	$0.95
No. 6	11 in.	10 in.	1.15
No. 7	12 in.	11 in.	1.30
No. 8	13 in.	12 in.	1.75
No. 9	14 in.	13 in.	1.85
No. 10	15 in.	14 in.	2.25
No. 11	16 in.	15 in.	2.35
No. 12	17 in.	16 in.	2.75
No. 13	18 in.	17 in.	3.25
No. 14	19 in.	18 in.	4.25

STANDARD EARTHENWARE FLOWER POTS

Full inside measurement. Six at dozen rates; 50 at 100 rates; 500 at 1,000 rates. Earthenware Flower Pots, Bulb Pans and Saucers cannot be sent by mail, but only by express or freight, at customer's expense.

Size	Each	Doz.	100	1000
1 in.	$0.02	$0.20	$1.35	$12.15
2 in.	.03	.25	1.15	10.15
2¼ in.	.04	.30	1.20	11.50
2½ in.	.05	.35	1.50	13.50
3 in.	.06	.40	1.95	17.55
3½ in.	.06	.45	2.40	21.60
4 in.	.07	.50	3.00	27.00
4½ in.	.08	.60	4.05	36.45
5 in.	.10	.75	5.40	48.60
5½ in.	.12	1.00	6.75	60.75
6 in.	.12	1.20	8.10	72.90
7 in.	.20	2.00	13.50	
8 in.	.25	2.75	19.50	
9 in.	.35	4.00	30.00	
10 in.	.50	5.50	40.50	
12 in.	1.00	11.00	82.50	
14 in.	1.50	17.50	135.00	

EARTHENWARE SAUCERS

Size	Each	Doz.	100
4 in.	$0.03	$0.30	$2.25
5 in.	.04	.40	3.00
6 in.	.06	.65	4.50
7 in.	.08	.80	6.00
8 in.	.10	1.10	8.25
9 in.	.15	1.50	11.25
10 in.	.20	1.75	13.50
11 in.	.25	2.25	16.50
12 in.	.30	2.75	20.25
14 in.	.50	5.00	33.75

ROUND BULB OR LILY PANS

Width	Each	Doz.	100
6 in.	$0.12	$1.20	$8.10
7 in.	.20	2.00	13.50
8 in.	.25	2.75	19.50
9 in.	.35	4.00	30.00
10 in.	.50	5.50	40.50
12 in.	1.00	11.00	82.50
14 in.	1.50	17.50	135.00

SQUARE SEED PANS
Earthenware

	Each	Doz.
8 x 8 in.	$1.15	$12.00
10 x 10 in.	1.40	15.50
12 x 12 in.	1.70	18.00

RUBBER SAUCERS

Durable and waterproof.

		Each	Doz.
No. 1	4½ inch	$0.20	$2.25
No. 2	5¼ inch	.25	2.75
No. 3	6¼ inch	.30	3.25
No. 4	7¼ inch	.35	4.00
No. 4A	8¼ inch	.40	4.75
No. 5	9½ inch	.50	5.75
No. 6	10¼ inch	.70	8.25
No. 7	12¾ inch	.85	10.00

CUT FLOWER VASES

Galvanized iron. Seams well soldered.

	Top diam.	Depth	Each
No. 65	7½ in.	8 in.	$0.65
No. 66	9 in.	10 in.	.80
No. 67	9 in.	11½ in.	.90
No. 68	9 in.	12½ in.	1.10
No. 69	9 in.	18 in.	1.30
No. 70	9 in.	24 in.	1.75

WATERING CANS

WOTHERSPOON'S. Galvanized; extra heavy, with long spout and two roses—one coarse and one fine.

	Round	Oval		Round	Oval
4-qt.	$4.70		10-qt.	$6.00	$6.50
6-qt.	5.00	$5.50	12-qt.	6.25	6.75
8qt.	5.50	6.00	16-qt.	7.00	7.50

EXTRA ROSES or SPRAYS. For Wotherspoon Watering-Can, either coarse or fine, 60 cts. each.

LIGHT GALVANIZED IRON.

4-quart	$1.00	10-quart	$1.40
6-quart	1.10	12-quart	1.60
8-quart	1.25	16-quart	2.00

WINDOW. Long spout. Rose, Blue and Maroon. 2-quart, $1 each.

WATER BARREL AND TRUCK

The price below includes barrel and truck. The latter is constructed so that the barrel may be detached quickly and the leaf-rack attached. 3½-inch tire Truck, with barrel, $25 each.

EXTRA BARRELS with trunnions, open head, $7 each.

TRUCK with 3½-inch tire wheels, no rack or barrel, $18 each.

WHEELBARROWS
(Garden, Farm and Greenhouse)

Strong, well-made. The frame is seasoned hardwood painted red. Back and legs put together by joint bolts.

No. 1. 2¾-in. tire. $9.50
No. 2. 2¾-in. tire. 8.50
No. 3. 2¾-in. tire. 8.00

SPECIAL GREENHOUSE STYLE. Narrow body as also is the distance between the handles. $11 each.

BOY'S. This is a very neat, well-constructed wheelbarrow. $6 each.

FERTILIZERS FOR THE FARM, LAWN, GARDEN AND GREENHOUSE

Prices on Fertilizers subject to change without notice.

ASHES, HARDWOOD. Apply 1,000 pounds per acre. Indispensable for all crops requiring potash; excellent for mixing with potting soil. For top-dressing lawns and grass fields it is applied to best advantage either in early spring or late fall. 25 lbs., $1; 50 lbs., $1.75; 100 lbs., $3; 200-lb. bbl., $5; 1,000 lbs., $22.50; ton, $40.

BONE FLOUR. Ground perfectly fine. An excellent fertilizer for pot plants or beds where an immediate effect is wanted. 5 lbs., 50 cts.; 10 lbs., 85 cts.; 25 lbs., $1.50; 50 lbs., $2.75; 100 lbs., $5; 200 lbs., $8.50; 1,000 lbs., $37.50.

BONE-MEAL. Recommended for lawns, gardens, and greenhouses. Apply 800 to 1,000 pounds per acre. 3 lbs., 25 cts.; 5 lbs., 35 cts.; 10 lbs., 60 cts.; 25 lbs., $1.40; 50 lbs., $2.50; 100 lbs., $4; 200 lbs., $8; ½ ton, $35; ton, $65.

CATTLE OR COW MANURE, SHREDDED. For garden, lawn and greenhouse, and especially good to mix with compost. 5 lbs., 45 cts.; 10 lbs., 70 cts.; 25 lbs., $1.40; 50 lbs., $2.25; 100 lbs., $3.75; 500 lbs., $18; 1,000 lbs., $33; ton, $60.

CHRYSANTHEMUM MANURE (Thomson's Special). Especially suitable for top-dressing chrysanthemums and similar plants. To be used as an additional stimulant during the growing season. 28-lb. bag, $4; 56-lb. bag, $7.

CLAY'S FERTILIZER. An English chemical fertilizer, for forcing greenhouse plants and vegetables. It can be used in either dry or liquid form. 28-lb. bag, $3.75; 56-lb. bag, $6.25; 112-lb. bag, $12.

HUMUS. An excellent article to incorporate with poor soil in the garden, greenhouse, or in potting plants. When used in garden work, the ground should be covered with ½ to 2 inches of Humus, and spaded in. 5 lbs., 35 cts.; 10 lbs., 60 cts.; 25 lbs., 90 cts.; 100 lbs., $2.25; 500 lbs., $10; 1,000 lbs., $15.

SACCO stands alone in its field as the best all-round fertilizer for greenhouse plants. 1-lb. can, 25 cts.; 5-lb. can, 50 cts.; 10-lb. bag, 85 cts.; 25-lb. bag, $1.75; 50-lb. bag, $3; 100-lb. bag, $5.

SHEEP MANURE. Apply 1,000 pounds per acre. One of the most extensively used of animal manures. 5 lbs., 45 cts.; 10 lbs., 70 cts.; 25 lbs., $1.25; 50 lbs., $2; 100 lbs., $3.75; 500 lbs., $18; 1,000 lbs., $33; ton, $60.

SOOT, IMPORTED SCOTCH. This is used principally for bringing a good healthy color into the foliage of chrysanthemums and other greenhouse plants. Also destroys insects and grubs that work on top of and underneath the surface. 5 lbs., 75 cts.; 10 lbs., $1.25; 25 lbs., $2; 112 lbs., $6.

STIM-U-PLANT. Contains highly concentrated, immediately available forms of plant-food for use in stimulating all fruit, flower, vegetable and ornamental plants, and may be used in tablet or in liquid form. Pkg. (30 tablets), 25 cts.; 100 tablets, 75 cts.; 1,000 tablets, $3.50.

TOBACCO STEMS. For fumigating, mulching and fertilizing; an excellent top-dressing for lawns in winter. In bales, 2 cts. per lb.; ½ ton, $15; ton, $27.50.

TEROGEN

Autumn-Winter Ground Dressing.

Destroys the spores of fungi of diseases. Kills the larvae of insects, such as rose-pith borer, rose bugs, Japanese beetles, aphids and ants. A valuable fertilizer.

1-lb. tins	$0.75	10-lb. tins	$4.75
2-lb. tins	1.25	25-lb. drums	11.00
5-lb. tins	2.75	100-lb. drums	40.00

Note.—A 10-lb. tin is sufficient for one application for 30 to 50 rose bushes.

INSECTICIDES, ETC.

Prices subject to change without notice.
Directions for using any of the following will be found on each package.

ANT KILLER. An effective exterminator of ants. One-half teaspoonful is required for each ant hill. ¼ lb., 35 cts.; ½ lb., 60 cts.; lb., $1.

APHINE. The recognized standard insecticide. Not a cure-all, but a specific remedy for all sap-sucking insects infesting plant life, such as green, black or white fly, thrips, red spider, mealy bug and soft scales. Pt., 70 cts.; qt., $1.15; gal., $3.25.

APHIS PUNK. A nicotine paper for fumigating. Pkg. (12 sheets), $1; case (12 pkgs.), $9.50.

APHISTROGEN. Destroys the destructive aphis in two or three applications. For all plants subject to aphids or plant-lice. Carries the noted Rosenbluth leaf fertilizer. 4 ozs., 75 cts.; ½ lb., $1.25; 2 lbs., $3.50; 12 lbs., $15.00.

ARSENATE OF LEAD (Powdered). One to 1½ pounds dilutes to 50 gallons of water, or may be used dry, like Paris green. Lb., 50 cts.; 5 lbs., $2.25; 10 lbs., $4; 25 lbs., $8.50; 50 lbs., $16; 100 lbs., $27.

BLACK-LEAF 40. A concentrated solution of nicotine for spraying. 1-oz. bottle, 35 cts.; ½ lb., $1.25; 2 lbs., $3.25; 10 lbs., $11.85.

BORDEAUX MIXTURE (Dry). For dusting plants affected with mildew and all fungous diseases. Can be used as a spray. 1-lb. box, 40 cts. (makes 5 gallons spray); 5 lbs., $1.75.

CALCIUM CYANIDE. A valuable insecticide for greenhouse fumigation, for destroying aphis, white fly, soft scale, thrips, etc. Also highly effective for exterminating moles, ground squirrels, field-mice, ants, etc., from the garden. Lb., 75 cts.; 5 lbs., $3.

COPPER SOLUTION (Liquid). For fungus, mildew, leaf blight, rust and black-rot. Qt., $1.50; gal., $4.

LEMON OIL CO.'S STANDARD INSECTICIDE. Destroys mealy bugs, scale, thrips, red spider, black and green fly, etc. ½ pt., 35 cts.; pt., 60 cts.; qt., $1; ½ gal., $1.75; gal., $3; 5 gals., $12.

NICO-FUME (Liquid). For use as a spray or vapor, for controlling green fly, aphis, etc., in greenhouses and outdoors. ¼ lb., 85 cts.; lb., $2.50; 4 lbs., $8; 8 lbs., $15.

NICO-FUME PAPER. For fumigating greenhouses gives off dense fumes charged with nicotine. Box (24 sheets), $1.50; 144 sheets, $5.50; 288 sheets, $9.25.

NICO-FUME TOBACCO POWDER. A tobacco powder highly charged with nicotine; splendid for fumigating greenhouses. Lb. can, $1.15; 5 lbs., $4; 10 lbs., $7.50.

NIKOTEEN (30 per cent.). One of the very best forms of tobacco or nicotine preparations; usually diluted in water; makes a satisfactory spray as well as vapor. ½ lb. bottle, $1.35; lb., $2.25; 4 lbs., $7.

PARADICHLOROBENZINE. For peach-tree borers. Lb. can, 65 cts.; 5-lb. can, $2.75; 10-lb. can, $5; 25-lb. keg, $12.

RAT CORN. A very effective rat poison. Cans 25 and 50 cts. each.

RAX. The most efficient rat exterminator. Introduces a contagious disease which affects only rats. 75 cts.

PYROX. The one best and safest all-round spray, which kills all leaf-eating insects and prevents blights and all fungous troubles without injury on fruit trees, grape-vines, currant bushes, potatoes, cantaloupes, cucumbers and other garden vegetables, also on rose bushes, shrubbery, etc. It is a creamy paste which looks like paint and "sticks like paint." It needs only to be mixed with cold water and it is ready to apply. Once tried, always used. Lb., 50 cts.; 5 lbs., $2; 10 lbs., $3.50; 25 lbs., $7; 50 lbs., $12.50; 100 lbs., $21; 300 lbs., $58.50.

SCALECIDE. Used for the destruction of the San Jose scale. Spray during the winter or early spring when the trees are dormant. Qt., 75 cts.; gal., $1.75; 5 gals., $6.25; 10 gals., $10.75; 30 gals., $26; 50 gals., $38.

SLUG SHOT, HAMMOND'S. One of the cheapest and best powders for destroying insects. 1-lb. canister, 20 cts.; 5 lbs., 60 cts.; 10 lbs., $1.20; 25 lbs., $2.75.

SULPHUR, POWDERED. For mildew. Lb., 10 cts.; 5 lbs., 45 cts.; 10 lbs., 85 cts.; 25 lbs., $2; 100 lbs., $7.50.

SUNOCO SPRAY OIL. For the control of aphis, psylla, red spider, scale, etc. 1 gal., $1.50; 5 gals., $5.75.

TOBACCO DUST, STOOTHOFF'S. For burning or dusting; state which is wanted. Lb., 10 cts.; 5 lbs., 45 cts.; 10 lbs., 85 cts.; 25 lbs., $1.75; 50 lbs., $3.25; 100 lbs., $6.

TREE PAINT. Qt., 85 cts.; gal., $2.50.

VOLCK. It is used because it is safe and sure. Two and one-half tablespoons of Volck will make 1 gallon of dilute spray. Pt., 70 cts.; qt., $1; gal., $3; 5 gals., $12.50; 14-gal. drum, $25.

WILSON'S O. K. PLANT SPRAY. A powerful yet harmless and efficient insecticide for aphis, red spider, mildew, scale, etc., for inside and outside spraying. Qt., $1; gal., $3.

MISCELLANEOUS SUNDRIES

BULB FIBRE. This is a prepared fibre containing all the ingredients for producing blooms from bulbs indoors. It can be used for any dish, as it does not require drainage. Qt., 15 cts.; ½ pk., 45 cts.; pk., 75 cts.; ½ bus., $1.25; bus., $2.

CHARCOAL, LUMP. For use in potting. Pk., 65 cts.; bus., $1.50; bbl. sack, $2.50.

HAY, SALT. For protecting plants in winter. 2 cts. per lb.

LEAF MOLD. Pk., 50 cts.; bus., $1.50; bbl., $3.25.

LAWN MOWER OIL. Pt., 25 cts.; qt., 35 cts.; ½ gal., 65 cts.; gal., $1.10; 5 gals., $4.25.

ORCHID PEAT. Selected. Sack, $3.25.

JERSEY PEAT. Bbl., $3.25.

SPHAGNUM MOSS, DRY. 5-bbl. bale, $4.50.

SPHAGNUM MOSS, LIVE. Bbl., $3.25.

MOSS, GREEN LUMP. Bbl., $3.25.

MOSS, GREEN SHEET. Sack, $3.50

PROPAGATING SAND. Bbl., $3.

PEBBLES. Qt., 10 cts; pk., 75 cts.; bus., $2.50; bbl. sack, $5.

SOIL FOR POTTING. Pk., 40 cts.; bus., $1.50; bbl., $3.25.

Waterer's Grass Seed Mixtures

The fall season, from August 15 to October 15, is the best time to sow Lawn Grass Seed. The fall rains hasten germination and enable the roots to become well established before freezing weather sets in. Growth is resumed with the first thaws of early spring and the roots are strengthened, while seed sown in the spring is just undergoing germination. A lawn grown in this way will endure summer droughts better than a spring-sown lawn. One quart is sufficient for 100 square feet, 4 to 5 bushels for an acre; for renovating old lawns, about half that quantity.

Waterer's "Best" Lawn Grass Mixture

An exceptionally fine mixture of the best American and European grasses adapted to lawn-making. They are all of dwarf spreading growth and deep rooted, forming a close, velvety surface which will withstand the intense heat of summer. Highly recommended. Pt., 30 cts.; qt., 50 cts.; pk., $3.25; bus. (20 lbs.), $12.

WATERER'S SPECIAL EVERGREEN LAWN MIXTURE. A combination, in proper proportions, of the best natural lawn grasses, that will produce a continuous good lawn from early spring until late, and the ingredients are the highest grade of recleaned seeds only. Pt., 25 cts.; qt., 45 cts.; pk., $2.75; bus. (20 lbs.), $10.

WATERER'S POPULAR EVERGREEN LAWN MIXTURE. In this mixture the quantities of some of the more expensive grasses are reduced or left out. Produces a thick turf, well adapted to hard usage. Pt., 20 cts.; qt., 35 cts.; pk., $2.15; bus. (20 lbs.), $8.

WATERER'S MIXTURE FOR SHADY PLACES. A mixture of grasses best adapted for sowing in shady places, where other grasses will not thrive. Pt., 25 cts.; qt., 45 cts.; pk., $2.75; bus. (20 lbs.), $10.

WATERER'S TERRACE MIXTURE. A special mixture of grasses best suited for sowing on terraces and side-hills—grasses that produce strong, spreading roots, thus preventing heavy rains from washing them out, that will withstand drought and exposure, thrive on shallow soils and at the same time produce a rich, green turf throughout the season. Pt., 25 cts.; qt., 45 cts.; pk., $2.75; bus. (20 lbs.), $10.

White Dutch Clover Seed

Excellent for use on lawns; forms a close herbage and remains green throughout the season. We furnish the choicest grade of seed. Lb., 85 cts.; 5 lbs., $4; 10 lbs., $7.75; bus. (60 lbs.), $45.

Waterer's Permanent Pasture and Hay Mixture

A mixture of varieties which will form a permanent pasture that lasts for years. Sow on new land which has been plowed and harrowed, at the rate of 60 pounds per acre; on ground partly covered, about 30 pounds per acre. Pk., $1.75; bus. (20 lbs.), $6.50.

QUANTITY	ARTICLES	PRICE	
	Brought forward		
	Total		

QUALITY *Seeds* *Bulbs and* *Plants*	1929 PLEASE USE THIS ORDER SHEET # HOSEA WATERER 714 Chestnut St., PHILADELPHIA, PA. (One Block West of Independence Hall)	**SERVICE** *Fertilizers* *Insecticides* *Sprayers* *Tools*

*Date*________ *Charge to*________ *Amount enclosed, $*________

*Name*________

*Post Office*________

*Street and Number*________
P. O. Box or R. F. D.

*Date Shipped*________	
*Pkgs.*________	*Boxes*________
*Bags*________	*Baskets*________
*Bbls.*________	*Bdls.*________

*County*________ *State*________ *Express Office*________

*Ship by*________ *Ordered by*________
Express, Freight or Parcel Post

All Seeds, etc., sold herewith will be supplied only under the terms stated in our Catalogue

QUANTITY	ARTICLES	PRICE	
	Carried forward		

HOSE A WATERER
PHILADELPHIA